HIGH CURRENT SURFACE-MOUNT POWER INDUCTORS FASDR SERIES 0302,0403,0504,0703,0705,1004,1005

FEATURES:

Current up to 6.8A
Larg Current
Flat-top for Pick & Place
Low cost

OPTIONS:

Tape & Reel is Standard
Bulk packaging Available
for Smaller Quantities
Tolerance: K=10%,M=20% is Standard
Custom Design Available

COMMON APPLICATIONS:

Ldeal for Palm-Top and Laptop
DC/DC Conveerters
PDAís Flash Memory
Step-up,Step-down Converters
Top-box

STANDARD SPECIFICATION:

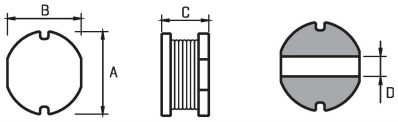
Part Number	Inductance μH	DCR(ohm)									IDC(A) Max								
		0302	0403	0503	0504	0703	0705	1004	1005	1008	0302	0403	0503	0504	0703	0705	1004	1005	1008
1R0	1.0	0.07	0.049	0.03	0.028						2.080	2.560	4.500	3.000					
1R4	1.4	0.09	0.057	0.04	0.029						1.860	2.520	4.000	2.800					
1R8	1.8	0.11	0.064	0.05	0.030						1.800	1.950	3.300	2.600					
2R2	2.2	0.13	0.072	0.06	0.042						1.390	1.750	2.940	2.300					
2R7	2.7	0.14	0.079	0.07	0.044						1.320	1.580	2.500	2.100					
3R3	3.3	0.20	0.087	0.08	0.045						1.250	1.440	2.350	2.000					
3R9	3.9	0.21	0.094	0.09	0.047						1.200	1.330	2.200	1.950					
4R7	4.7	0.33	0.109	0.14	0.048						1.030	1.150	2.000	1.900					
5R6	5.6	0.35	0.126	0.15	0.050						0.910	1.100	1.800	1.800					
6R8	6.8	0.38	0.132	0.16	0.060						0.850	1.080	1.700	1.600					
8R2	8.2	0.43	0.147	0.17	0.090						0.820	1.050	1.400	1.500					
100	10	0.50	0.182	0.18	0.10	0.08	0.07	0.05	0.06	0.036	0.740	1.040	1.200	1.440	1.440	2.300	2.380	2.600	4.050
120	12	0.65	0.210	0.20	0.12	0.09	0.08	0.06	0.07	0.038	0.640	0.970	1.180	1.400	1.390	2.000	2.130	2.450	3.600
150	15	0.82	0.235	0.22	0.14	0.10	0.09	0.07	0.08	0.04	0.600	0.850	1.150	1.300	1.240	1.800	1.870	2.270	3.340
180	18	0.90	0.338	0.25	0.15	0.11	0.10	0.08	0.09	0.05	0.540	0.740	1.100	1.230	1.120	1.600	1.730	2.150	3.050
220	22	1.14	0.378	0.35	0.18	0.13	0.11	0.09	0.10	0.06	0.500	0.680	1.000	1.110	1.070	1.500	1.600	1.950	2.800
270	27	1.39	0.522	0.45	0.20	0.15	0.12	0.10	0.11	0.07	0.430	0.620	0.860	0.970	0.940	1.300	1.440	1.760	2.500
330	33	1.55	0.540	0.56	0.23	0.17	0.13	0.12	0.12	0.08	0.400	0.560	0.760	0.880	0.850	1.200	1.260	1.500	2.400
390	39	2.15	0.587	0.698	0.32	0.22	0.16	0.15	0.14	0.09	0.370	0.520	0.750	0.800	0.740	1.100	1.200	1.370	2.200
470	47	2.44	0.844	0.72	0.37	0.25	0.18	0.17	0.17	0.11	0.360	0.440	0.730	0.720	0.680	1.100	1.100	1.280	2.000
560	56	2.68	0.937	0.84	0.42	0.28	0.24	0.20	0.19	0.12	0.310	0.420	0.550	0.680	0.640	0.940	1.010	1.170	1.900
680	68	3.05	1.117	0.90	0.46	0.33	0.28	0.22	0.22	0.15	0.300	0.370	0.520	0.610	0.590	0.850	0.910	1.110	1.800
820	82	3.48	1.200	0.95	0.60	0.41	0.37	0.25	0.25	0.19	0.280	0.300	0.500	0.580	0.540	0.780	0.850	1.000	1.600
101	100	3.84	1.440	1.30	0.70	0.48	0.43	0.34	0.35	0.23	0.250	0.280	0.400	0.520	0.510	0.720	0.740	0.970	1.500
121	120	5.76	1.660	1.38	0.93	0.54	0.47	0.40	0.40	0.32	0.200	0.240	0.360	0.480	0.490	0.660	0.690	0.890	1.400
151	150	6.62	1.880	1.81	1.10	0.75	0.64	0.54	0.47	0.37	0.190	0.220	0.300	0.400	0.400	0.580	0.610	0.780	1.300
181	180	7.36	2.180	1.95	1.38	1.02	0.71	0.62	0.63	0.42	0.170	0.210	0.260	0.380	0.360	0.510	0.560	0.720	1.200
221	220	8.38	2.570	2.10	1.57	1.20	0.96	0.72	0.73	0.44	0.160	0.200	0.250	0.350	0.310	1R0	0.530	0.660	1.000
271	270	13.69	3.520	2.42	1.85	1.31	1.11	0.95	0.97	0.55	0.140	0.180	0.210	0.280	0.290	0.420	0.450	0.570	0.950
331	330	15.78	5.000	3.82	2.00	1.50	1.26	1.10	1.15	0.60	0.130	0.120	0.180	0.260	0.280	0.400	0.420	0.520	0.900
391	390	17.40	6.000	4.68	2.60	2.700	1.77	1.24	1.30	0.67	0.120	0.115	0.160	0.240	0.270	0.360	0.380	0.480	0.800
471	470	20.00	7.000	5.10	3.00	3.000	1.96	1.53	1.48	0.88	0.084	0.110	0.150	0.220	0.250	0.340	0.350	0.420	0.700
561	560			6.00	4.19			1.80	1.90	1.04			0.140	0.180			0.320	0.330	0.650
681	680			7.60	4.44				2.25	1.18			0.130	0.160				0.280	0.600
821	820			9.12	5.12				2.55	1.38			0.070	0.110				0.240	0.500
102	1000			9.87						1.74			0.050	0.080					0.480
122	1200									1.92									0.380

TECHNICAL INFORMATION:

1.TEST FREQ.(L) with HP4284A and HP4285A (equivalent acceptable)
1.0-8.2μH(7.95MHz) 10-82μH(2.52MHz) 100-1200μH(1KHz)
2.Toerance ot inductance
FASDR0302 1.0-470μH±20%(M)
FASDR0403 1.0-27μH±20%(M) 33-470μH±10%(K)
FASDR0503 1.0-2.7μH±20%(M) 33-1000μH±10(K)
FASDR0504 1.0-27μH±20%(M) 33-47μH±15%(L) 56-1000μH±10%(K)
FASDR0703 10-47μH±20%(M) 56-470μH±10%(K)
FASDR0705 10-470μH±20%(M)
FASDR1004 10-47μH±20%(M) 56-560μH±10%(K)
FASDR1005 10-39μH±20%(M) 47-820μH±10%(K)
FASDR1008 10-82μH±20%(M) 100-1200μH±10%(K)
3.DCR: GW813 or QuadTech 1880 Milliohmmeter
4.IDC Max is decreased 10% against its initial value

·Operating Temperature:-40℃ to+85℃
·Storage Temperature: -40℃ to +105℃
·Solder methods: Vapor Phase,Infrared Reflow
·Resistance to soldering heat:260℃ for 10 seconds
·Solvent resistance: Conforms to MIL-STD-202E
·Marking: Inductance & Tolerance
Note:All specification subject to change without noticed.

CHARACTERISTICS:



TERMINAL SHAPE
DIMENSION:(mm)

TYPE	A	B	C	D
FASDR 0302	3.0±0.3	2.8±0.3	2.5±0.3	0.8
FASDR 0403	4.5±0.3	4.0±0.3	3.2±0.3	1.3
FASDR 0503	5.8±0.3	5.2±0.3	2.5±0.3	1.3
FASDR 0504	5.8±0.3	5.2±0.3	4.5±0.3	1.3
FASDR 0703	7.8±0.3	7.0±0.3	3.5±0.3	2.1
FASDR 0705	7.8±0.3	7.0±0.3	5.0±0.3	2.1
FASDR 1004	10.0±0.3	9.0±0.3	4.0±0.3	2.1
FASDR 1005	10.0±0.3	9.0±0.4	5.4±0.3	2.1
FASDR 1006	11.0Max	10.0Max	7.5Max	2.1
FASDR 1008	11.0Max	10.0Max	8.5Max	2.1

POWER SURFACE-MOUNT WIRE-WOUND CHIP INDUCTORS FASDR0703T-0704T SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 3.6A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard [Qty:2000pcs]
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L µH	Test Freq KHz	DCR ohm Max	IDC Max A
FASDR0703T-1R0M	1.0	100	0.02	3.60
FASDR0703T-1R5M	1.5	100	0.03	3.40
FASDR0703T-2R2M	2.2	100	0.03	2.68
FASDR0703T-3R3M	3.3	100	0.04	2.40
FASDR0703T-4R7M	4.7	100	0.048	2.26
FASDR0703T-6R8M	6.8	100	0.062	1.66
FASDR0703T-100M	10	100	0.078	1.50
FASDR0703T-120M	12	100	0.088	1.40
FASDR0703T-150M	15	100	0.120	1.20
FASDR0703T-180M	18	100	0.145	1.15
FASDR0703T-220M	22	100	0.165	1.02
FASDR0703T-270M	27	100	0.185	0.88
FASDR0703T-330M	33	100	0.260	0.85
FASDR0703T-390M	39	100	0.286	0.82
FASDR0703T-470M	47	100	0.340	0.72
FASDR0703T-560M	56	100	0.420	0.65
FASDR0703T-680M	68	100	0.510	0.56
FASDR0703T-820M	82	100	0.650	0.52
FASDR0703T-101K	100	100	0.725	0.46
FASDR0703T-151K	150	100	0.920	0.40
FASDR0703T-221K	220	100	1.620	0.32
FASDR0703T-331K	330	100	2.200	0.26
FASDR0703T-471K	470	100	2.800	0.22
FASDR0703T-681K	680	100	4.350	0.18
FASDR0703T-102K	1000	100	6.200	0.15

Part Number	L µH	Test Freq KHz	DCR ohm Max	IDC Max A
FASDR0704T-100M	10	100	0.120	1.50
FASDR0704T-120M	12	100	0.130	1.44
FASDR0704T-150M	15	100	0.150	1.36
FASDR0704T-180M	18	100	0.160	1.30
FASDR0704T-220M	22	100	0.190	1.23
FASDR0704T-270M	27	100	0.210	1.11
FASDR0704T-330M	33	100	0.240	1.00
FASDR0704T-390M	39	100	0.270	0.93
FASDR0704T-470M	47	100	0.390	0.85
FASDR0704T-560M	56	100	0.450	0.75
FASDR0704T-680M	68	100	0.500	0.70
FASDR0704T-820M	82	100	0.560	0.65
FASDR0704T-101K	100	100	1.000	0.52
FASDR0704T-121K	120	100	1.050	0.50
FASDR0704T-151K	150	100	1.200	0.45
FASDR0704T-181K	180	100	1.350	0.40
FASDR0704T-221K	220	100	1.520	0.38
FASDR0704T-271K	270	100	1.720	0.35
FASDR0704T-331K	330	100	2.700	0.30
FASDR0704T-391K	390	100	2.960	0.28
FASDR0704T-471K	470	100	3.360	0.26
FASDR0704T-561K	560	100	3.790	0.24
FASDR0704T-681K	680	100	4.330	0.21
FASDR0704T-821K	820	100	5.260	0.19
FASDR0704T-102K	1000	100	6.220	0.17

Note:1. K=±10%,M=±20%,N=±30%

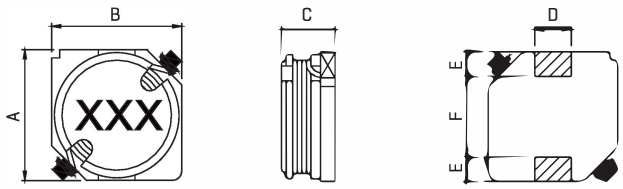
TECHNICAL INFORMATION:

Inducance Testing: HP4284A [Equivalent acceptable]
DCR:QuadTech 1880 Milliohmmeter
Q- HP4342A - SRF-HP4191A
IDCMax current is decreased 10% against its initial value
Operating temperature: -40℃ to +105℃
Storage Temperature: -40℃ to +105℃
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260℃ for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice

LAND PATTERNS

CONSTRUCTION

CHARACTERISTICS:



DIMENSIONS IN mm

Part Number	A	B	C	D	E	F	H	I	J
FASDR0703T	7.6Max	7.6Max	3.0Max	2.0	1.3	4.4	3.0	2.0	4.4
FASDR0704T	7.6Max	7.6Max	5.0Max	1.7	1.2	4.6	2.7	2.0	4.4

POWER SURFACE-MOUNT WIRE-WOUND CHIP INDUCTORS FASDR7030T-7045T SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 3.8A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR ohm Max	IDC Max A
FASDR-7030T-1R0M	1.0	18	7.96	0.022	3.00
FASDR-7030T-1R5M	1.5	17	7.96	0.027	2.75
FASDR-7030T-2R2M	2.2	17	7.96	0.030	2.60
FASDR-7030T-3R5M	3.5	17	7.96	0.038	2.20
FASDR-7030T-4R7M	4.7	14	7.96	0.048	1.85
FASDR-7030T-6R2M	6.2	17	7.96	0.058	1.65
FASDR-7030T-100M	10.0	16	2.52	0.075	1.50
FASDR-7030T-150M	15.0	14	2.52	0.115	1.20
FASDR-7030T-220M	22.0	14	2.52	0.160	1.02
FASDR-7030T-330M	33.0	13	2.52	0.230	0.85
FASDR-7030T-470K	47.0	12	2.52	0.340	0.70
FASDR-7030T-680K	68.0	12	2.52	0.480	0.58
FASDR-7030T-101K	100.0	18	0.796	0.720	0.46
FASDR-7030T-151K	150.0	18	0.796	0.920	0.40
FASDR-7030T-221K	220.0	23	0.796	1.600	0.32
FASDR-7030T-331K	330.0	24	0.796	2.200	0.26
FASDR-7030T-471K	470.0	30	0.796	2.800	0.22
FASDR-7030T-681K	680.0	28	0.796	4.350	0.18
FASDR-7030T-102K	1000.0	66	0.796	6.200	0.15

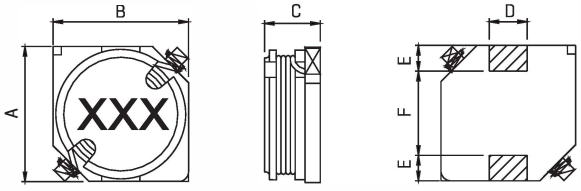
Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR ohm Max	IDC Max A
FASDR-7045T-1R0M	1.0	25	7.96	0.022	3.80
FASDR-7045T-1R5M	1.5	26	7.96	0.027	3.50
FASDR-7045T-2R2M	2.2	24	7.96	0.032	3.30
FASDR-7045T-3R3M	3.3	23	7.96	0.036	2.80
FASDR-7045T-4R7M	4.7	23	7.96	0.042	2.60
FASDR-7045T-6R8M	6.8	22	7.96	0.054	2.25
FASDR-7045T-100M	10.0	28	2.52	0.070	2.00
FASDR-7045T-150M	15.0	24	2.52	0.086	1.60
FASDR-7045T-220M	22.0	26	2.52	0.125	1.40
FASDR-7045T-330M	33.0	20	2.52	0.150	1.22
FASDR-7045T-470K	47.0	21	2.52	0.230	1.00
FASDR-7045T-680K	68.0	17	2.52	0.280	0.90
FASDR-7045T-101K	100.0	17	0.796	0.430	0.75
FASDR-7045T-151K	150.0	17	0.796	0.580	0.62
FASDR-7045T-221K	220.0	22	0.796	0.930	0.50
FASDR-7045T-331K	330.0	20	0.796	1.240	0.42
FASDR-7045T-471K	470.0	20	0.796	1.850	0.34
FASDR-7045T-681K	680.0	18	0.796	2.400	0.30
FASDR-7045T-102K	1000.0	48	0.252	4.000	0.22

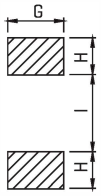
Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

Inducance Testing: HP4284A (Equivalent acceptable)
DCR:QuadTech 1880 Milliohmmeter
Q- HP4342A - SRF-HP4191A
IDCMax current is decreased 10% against its initial value
Operating temperature: -40℃ to +105℃
Storage Temperature: -40℃ to +105℃
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260℃ for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice

CHARACTERISTICS:





CONSTRUCTION

DIMENSIONS IN mm

Part Number	A	B	C	D	E	F	G	H	I
FASDR-7030T	7.2±0.	7.2±0.	3.0±0.	2.0	1.5	4.0	2.4	1.8	4.2
FASDR-7045T	7.0±0.	7.0±0.	4.5±0.	2.0	1.5	4.0	2.4	1.8	4.2

POWER SURFACE-MOUNT WIRE-WOUND CHIP INDUCTORS FASDR1030T-1045T SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 4.8A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

VCRs
Video Cameras
Communication System
Automotive Systems
Liquid Crystal Televisions
Hard Disk Drives, Topset XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L µH (100KHz)	Q Typ	Test Freq Mhz	DCR ohm Max	IDC Max A
FASDR-1030T-2R7M	2.7	13	7.96	0.028	3.00
FASDR-1030T-4R7M	4.7	13	7.96	0.040	2.60
FASDR-1030T-6R8M	6.8	15	7.96	0.052	2.20
FASDR-1030T-100M	10.0	15	2.52	0.064	2.00
FASDR-1030T-150M	15.0	18	2.52	0.100	1.65
FASDR-1030T-220M	22.0	20	2.52	0.145	1.38
FASDR-1030T-330M	33.0	16	2.52	0.220	1.10
FASDR-1030T-470M	47.0	10	2.52	0.270	0.96
FASDR-1030T-680M	68.0	12	2.52	0.360	0.82
FASDR-1030T-101K	100.0	14	0.796	0.540	0.70
FASDR-1030T-151K	150.0	23	0.796	0.700	0.60
FASDR-1030T-221K	220.0	23	0.796	1.150	0.46
FASDR-1030T-331K	330.0	25	0.796	1.700	0.38
FASDR-1030T-471K	470.0	20	0.796	2.250	0.28
FASDR-1030T-681K	680.0	18	0.796	3.300	0.23
FASDR-1030T-102K	1000.0	42	0.796	4.700	0.20

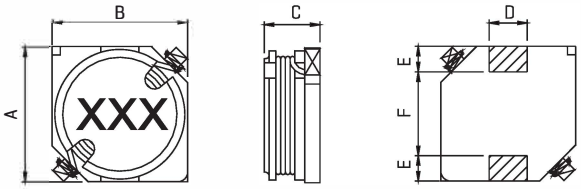
Part Number	L µH (100KHz)	Q Typ	Test Freq Mhz	DCR ohm Max	IDC Max A
FASDR-1045T-2R7M	2.7	25	7.96	0.026	4.80
FASDR-1045T-4R5M	4.5	25	7.96	0.033	4.20
FASDR-1045T-6R8M	6.8	22	7.96	0.040	3.50
FASDR-1045T-100M	10.0	26	2.52	0.064	3.20
FASDR-1045T-150M	15.0	26	2.52	0.100	2.50
FASDR-1045T-220M	22.0	22	2.52	0.145	2.20
FASDR-1045T-330M	33.0	20	2.52	0.220	1.90
FASDR-1045T-470M	47.0	21	2.52	0.270	1.60
FASDR-1045T-680M	68.0	21	2.52	0.360	1.30
FASDR-1045T-101K	100.0	14	0.796	0.540	1.10
FASDR-1045T-151K	150.0	16	0.796	0.700	0.85
FASDR-1045T-221K	220.0	15	0.796	1.150	0.72
FASDR-1045T-331K	330.0	12	0.796	1.700	0.62
FASDR-1045T-471K	470.0	12	0.796	2.250	0.52
FASDR-1045T-681K	680.0	13	0.796	3.300	0.43
FASDR-1045T-102K	1000.0	25	0.252	4.700	0.38

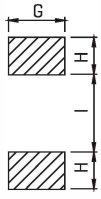
Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

Inducance Testing: HP4284A (Equivalent acceptable)
DCR:QuadTech 1880 Milliohmmeter
Q- HP4342A - SRF-HP4191A
IDCMax current is decreased 10% against its initial value
Operating temperature: -40℃ to +105℃
Storage Temperature: -40℃ to +105℃
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260℃ for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice

CHARACTERISTICS:





CONSTRUCTION

DIMENSIONS IN mm

Part Number	A	B	C	D	E	F	G	H	I
FASDR-1030T	10.0±0.3	10.0±0.3	3.0±0.3	2.4	2.0	6.0	2.8	2.4	5.6
FASDR-1045T	10.0±0.3	10.0±0.3	4.5±0.3	2.4	2.0	6.0	2.8	2.4	5.6

POWER SURFACE-MOUNT WIRE-WOUND CHIP INDUCTORS FASDR1305T-1308T SERIES

FEATURES:

Ferrite Core Structure
Low DC Resistance
Large current up to 7.2A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L µH (100KHz)	Q Typ	Test Freq Mhz	DCR ohm Max	IDC Max A
FASDR-1305T-2R5M	2.5	19	7.96	0.0098	7.20
FASDR-1305T-3R5M	3.5	20	7.96	0.0105	6.00
FASDR-1305T-4R6M	4.7	18	7.96	0.0165	5.20
FASDR-1305T-6R8M	6.8	17	7.96	0.0240	4.30
FASDR-1305T-100M	10.0	35	2.52	0.0370	3.60
FASDR-1305T-150M	15.0	28	2.52	0.0460	3.30
FASDR-1305T-220M	22.0	27	2.52	0.0620	2.90
FASDR-1305T-330M	33.0	23	2.52	0.0850	2.50
FASDR-1305T-470M	47.0	24	2.52	0.1300	1.90
FASDR-1305T-680M	68.0	22	2.52	0.1650	1.65
FASDR-1305T-101K	100.0	20	0.796	0.2550	1.40
FASDR-1305T-151K	150.0	17	0.796	0.3800	1.20
FASDR-1305T-221K	220.0	16	0.796	0.5000	1.00
FASDR-1305T-331K	330.0	11	0.796	0.7000	0.85
FASDR-1305T-471K	470.0	14	0.796	1.1500	0.67
FASDR-1305T-681K	680.0	12	0.796	1.4000	0.60
FASDR-1305T-102K	1000.0	41	0.252	2.3500	0.46

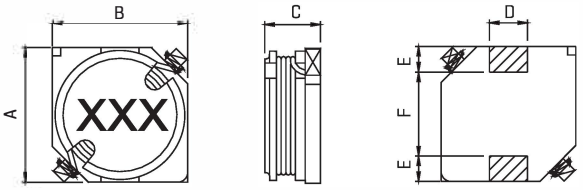
Part Number	L µH (100KHz)	Q Typ	Test Freq Mhz	DCR ohm Max	IDC Max A
FASDR-1308T-100M	10	20	2.52	0.036	4.050
FASDR-1308T-150M	15	20	2.52	0.040	3.340
FASDR-1308T-220M	22	20	2.52	0.060	2.800
FASDR-1308T-330M	33	20	2.52	0.080	2.400
FASDR-1308T-470M	47	20	2.52	0.110	2.000
FASDR-1308T-560M	56	20	2.52	0.120	1.900
FASDR-1308T-680M	68	20	2.52	0.150	1.800
FASDR-1308T-820M	82	20	2.52	0.190	1.600
FASDR-1308T-101K,	100	15	0.796	0.230	1.500
FASDR-1308T-121K	120	15	0.796	0.320	1.400
FASDR-1308T-151K	150	15	0.796	0.370	1.300
FASDR-1308T-221K	220	15	0.796	0.440	1.000
FASDR-1308T-331K	330	15	0.796	0.600	0.900
FASDR-1308T-471K	470	15	0.796	0.880	0.700
FASDR-1308T-681K	680	10	0.796	1.180	0.500
FASDR-1308T-102K	1000	10	0.252	1.740	0.480
FASDR-1308T-122K	1200	10	0.252	1.920	0.380

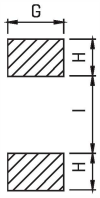
Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

Induc ance Testing: HP4284A (Equivalent ac eptable)
DCR:QuadTech 1880 Milliohmmeter
Q- HP4342A - SRF-HP4191A
IDCMax current is decreased 10% against its initial value
Operating temperature: -405°Cto +105°C
Storage Temperature: -405°Cto +105°C
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260°C for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice

CHARACTERISTICS:





CONSTRUCTION

DIMENSIONS IN mm

Part Number	A	B	C	D	E	F	G	H	I
FASDR-1305T	12.7±0.3	12.7±0.3	4.8±0.5	3.0	2.0	8.6	3.60	2.6	8.4
FASDR-1308T	12.7±0.3	12.7±0.3	8.5±0.5	3.0	2.0	8.6	3.60	2.6	8.4

SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDR62LCB-62CB SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 3.5A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

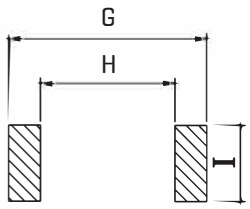
VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L (μH)	Test Freq (kHz)	DCR ohm Max	IDC Max A
FASDR62LCB-1R2M	1.2	100	0.0298	3.50
FASDR62LCB-1R5M	1.5	100	0.0423	2.94
FASDR62LCB-2R0M	2.0	100	0.0456	2.47
FASDR62LCB-3R3M	3.3	100	0.0680	1.99
FASDR62LCB-4R7M	4.7	100	0.0860	1.59
FASDR62LCB-6R2M	6.2	100	0.1120	1.49
FASDR62LCB-8R2M	8.2	100	0.1380	1.25
FASDR62LCB-100M	10	100	0.1720	1.22
FASDR62LCB-120M	12	100	0.1900	0.99
FASDR62LCB-150M	15	100	0.2480	0.94
FASDR62LCB-180M	18	100	0.2640	0.83
FASDR62LCB-220M	22	100	0.3300	0.80
FASDR62LCB-270M	27	100	0.3640	0.65
FASDR62LCB-330M	33	100	0.5600	0.63
FASDR62LCB-390M	39	100	0.5800	0.55
FASDR62LCB-470M	47	100	0.6900	0.50
FASDR62CB-R82M	0.82	100	0.013	3.48
FASDR62CB-1R2M	1.2	100	0.018	2.83
FASDR62CB-1R8M	1.8	100	0.023	2.44
FASDR62CB-2R7M	2.7	100	0.033	1.89
FASDR62CB-3R3M	3.3	100	0.043	1.65
FASDR62CB-5R6M	5.6	100	0.057	1.37
FASDR62CB-100M	10	100	0.097	1.07
FASDR62CB-120M	12	100	0.116	0.97
FASDR62CB-150M	15	100	0.144	0.87
FASDR62CB-180M	18	100	0.163	0.79
FASDR62CB-220M	22	100	0.179	0.71
FASDR62CB-270M	27	100	0.246	0.64
FASDR62CB-330M	33	100	0.304	0.58
FASDR62CB-390M	39	100	0.341	0.53
FASDR62CB-470M	47	100	0.367	0.48
FASDR62CB-560M	56	100	0.438	0.44
FASDR62CB-680M	68	100	0.491	0.40
FASDR62CB-820M	82	100	0.596	0.36
FASDR62CB-101K	100	100	0.917	0.33

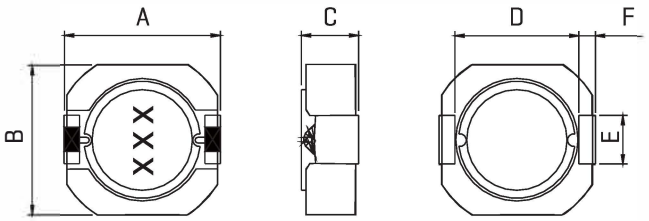
Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS:



LAND PATTERNS

CONSTRUCTION



DIMENSIONS IN mm

Part number	A	B	C	D	E	F	G	H	I
FASDR62LCB	6.3Max	6.2Max	2.5Max	4.8	2.0	0.6	6.6	4.6	2.6
FASDR62CB	6.3Max	6.2Max	2.0Max	4.8	2.0	0.6	6.6	4.6	2.6

TECHNICAL INFORMATION:

Inductance Testing: HP4284A,HP4285A or equivalent
RDC:QuadTech 1880 Milliohmmeter
Q- HP4342A
SRF-HP4191A or HP4194A
Rated Current L value drop10%typ.at DC against its initial value
Temperature rise 40℃ Max Reference ambient temperature
Solderability: 75% of the lead wire shall be covered
Soldering Methods: Wave,Reflow
Operating Temperature:-25℃ to +85℃
Storage Temperature: -55℃ to +125℃
Terminal bending strength:24.5N Min
Moisture resistance:△L/L≤±10% △Q/Q≤±25%

Note: All specifications subject to change without notice.

SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDR63LCB-63CB SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 3.59A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

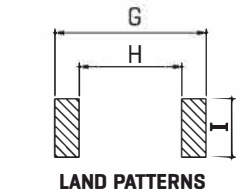
VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	L (µH)	Test Freq (kHz)	DCR ohm Max	IDC Max A	Part Number	L (µH)	Test Freq (kHz)	DCR ohm Max	IDC Max A
FASDR63LCB-1R0M	1.0	100	0.013	3.59	FASDR63CB-2R0M	2.0	100	0.022	3.00
FASDR63LCB-1R5M	1.5	100	0.018	2.93	FASDR63CB-2R7M	2.7	100	0.024	2.69
FASDR63LCB-2R2M	2.2	100	0.021	2.42	FASDR63CB-3R3M	3.3	100	0.027	2.57
FASDR63LCB-3R3M	3.3	100	0.027	1.89	FASDR63CB-4R7M	4.7	100	0.036	2.08
FASDR63LCB-4R7M	4.7	100	0.039	1.66	FASDR63CB-6R8M	6.8	100	0.046	1.84
FASDR63LCB-6R2M	6.2	100	0.053	1.45	FASDR63CB-8R2M	8.2	100	0.052	1.54
FASDR63LCB-100M	10	100	0.079	1.14	FASDR63CB-100M	10	100	0.059	1.49
FASDR63LCB-120M	12	100	0.094	1.04	FASDR63CB-120M	12	100	0.070	1.28
FASDR63LCB-150M	15	100	0.115	0.93	FASDR63CB-150M	15	100	0.091	1.10
FASDR63LCB-180M	18	100	0.130	0.85	FASDR63CB-180M	18	100	0.104	1.05
FASDR63LCB-220M	22	100	0.145	0.77	FASDR63CB-220M	22	100	0.148	0.97
FASDR63LCB-270M	27	100	0.157	0.70	FASDR63CB-270M	27	100	0.158	0.82
FASDR63LCB-330M	33	100	0.211	0.63	FASDR63CB-330M	33	100	0.173	0.76
FASDR63LCB-390M	39	100	0.233	0.58	FASDR63CB-390M	39	100	0.205	0.70
FASDR63LCB-470M	47	100	0.276	0.53	FASDR63CB-470M	47	100	0.226	0.68
FASDR63LCB-560M	56	100	0.308	0.48	FASDR63CB-560M	56	100	0.275	0.60
FASDR63LCB-680M	68	100	0.330	0.44	FASDR63CB-680M	68	100	0.321	0.56
FASDR63LCB-820M	82	100	0.445	0.40	FASDR63CB-820M	82	100	0.369	0.47
FASDR63LCB-101K	100	100	0.540	0.36	FASDR63CB-101K	100	100	0.495	0.45
FASDR63LCB-151K	150	100	0.700	0.31	FASDR63CB-151K	150	100	0.640	0.37

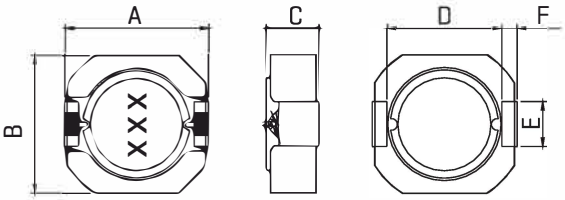
Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS:



CONSTRUCTION

LAND PATTERNS



DIMENSIONS IN mm

Part number	A	B	C	D	E	F	G	H	I
FASDR63LCB	6.3Max	6.2Max	3.0Max	4.8	2.0	0.6	6.6	4.6	2.6
FASDR63CB	6.3Max	6.2Max	3.5Max	4.8	2.0	0.6	6.6	4.6	2.6

Note: All specifications subject to change without notice.

TECHNICAL INFORMATION:

Inductance Testing: HP4284A
HP4285A or equivalent
RDC:QuadTech 1880 Milliohmmete
Q- HP4342A
SRF-HP4191A or HP4194A
Rated Current L value drop10%typ.at
I DC against its initial value
Temperature rise 40℃ Max
Reference ambient temperature
Solderability: 75% of the lead wire
Shall be covered
Soldering Methods: Wave,Reflow
Operating Temperature:-25℃ to +85℃
Storage Temperature: -55℃ to +125℃
Terminal bending strength:24.5N Min
Moisture resistance
△L/L≤±10% △Q/Q≤±25%

HIGH CURRENT SURFACE-MOUNT POWER SHIELDED INDUCTORS FASDRS0603,0704,1005,1205 SERIES

FEATURES :

Current up to 2.6A
VerySmallFoot Pint
Flat-top for Pick & Place
Shielded structure

OPTIONS:

Tape & Reel is Standard
Bulk packaging Available
for Smaller Quantities
Tolerance : K=10%,M=20% is
Standard,Tighter Tolerances Available

COMMON APPLICATIONS:

Power supply for VTRs
DA equipment
LCD televisions
Notebook Pcs
Portable communication equipment
DC/DC converters,etc

STANDARD SPECIFICATION:

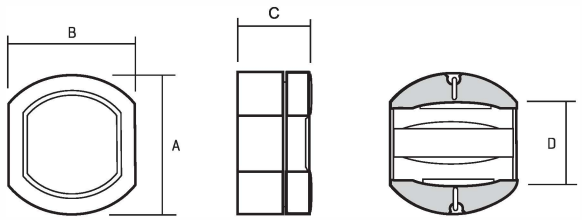
Part Number	L(μH)	DCR(ohm)Max.				IDC(A)			
		FASDRS 0603	FASDRS 0704	FASDRS 1005	FASDRS 1205	FASDRS 0603	FASDRS 0704	FASDRS 1005	FASDRS 1205
100M	10	0.14	0.07	0.06	0.05	1.00	1.65	2.06	2.65
120M	12	0.16	0.07	0.07	0.05	0.94	1.57	1.94	2.50
150M	15	0.18	0.08	0.07	0.06	0.86	1.39	1.72	2.45
180M	18	0.25	0.10	0.08	0.06	0.78	1.9	1.58	2.40
220M	22	0.32	0.13	0.08	0.07	0.76	1.12	1.42	2.20
270M	27	0.36	0.16	0.10	0.08	0.64	1.06	1.32	2.00
330M	33	0.41	0.18	0.11	0.10	0.61	0.97	1.16	1.80
390M	39	0.47	0.18	0.12	0.11	0.53	0.91	1.10	1.65
470M	47	0.51	0.27	0.14	0.12	0.50	0.80	1.00	1.50
560M	56	0.72	0.29	0.19	0.15	0.46	0.76	0.93	1.38
680M	68	0.82	0.33	0.21	0.17	0.42	0.68	0.85	1.26
820M	82	0.82	0.43	0.28	0.20	0.42	0.62	0.79	1.14
101M	100	0.82	0.49	0.34	0.25	0.42	0.55	0.72	1.05
121M	120	0.82	0.68	0.37	0.28	0.42	0.49	0.63	0.95
151M	150	0.82	0.94	0.51	0.40	0.42	0.44	0.55	0.85
181M	180	0.82	1.00	0.57	0.48	0.42	0.40	0.50	0.77
221M	220	0.82	1.18	0.78	0.52	0.42	0.36	0.47	0.70
271M	270	0.82	1.30	0.87	0.70	0.42	0.33	0.41	0.63
331M	330	0.82	1.30	1.20	0.80	0.42	0.33	0.37	0.57
391M	390	0.82	1.30	1.34	1.08	0.42	0.33	0.5	0.52
471M	470	0.82	1.30	1.50	1.20	0.42	0.33	0.33	0.48
561M	560	0.82	1.30	1.50	1.34	0.42	0.33	0.33	0.44
681M	680	0.82	1.30	1.50	1.78	0.42	0.33	0.33	0.40
821M	820	0.82	1.30	1.50	2.00	0.42	0.33	0.33	0.36

Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

·Testing: [Equivalent acceptable]
·Inductance:HP4285A
·ROC:QuadTech 1880 Milliohmmeter
·-Q- HP4342A-SRF-HP4191A
·IDC Max:Determined when superimposed
·DC current is decreased 10% against its initial value
·Operating temperature: -40℃ to +85℃
·Storage Temperature: -40℃ to +105℃
·Solder methods: Vapor Phase,Infrared Reflow
·Resistance to soldering heat:260℃ for 10 seconds
·Solvent resistance: Conforms to MIL-STD-202E
·Marking: Inductance & Tolerance
·Ordering information:
·Type:Surface Mounting Type.
·Style:DR Core with RL core.
·Anductance:101 for 100uH.
·Anductance tolerance:M:±20%.
Notel:All specification subject to change without noticed.

PHYSICAL CHARACTERISTICS:



DIMENSIONS IN: mm

Part Number	A	B	C	D	H	I	J
FASDRS-0603	6.2±0.3	5.6±0.3	3.2±0.3	1.7	5.5	2.25	1.7
FASDRS-0704	7.8±0.35	7.0±0.35	4.5±0.4	1.9	7.5	4.0	2.0
FASDRS-1005	10.0±0.4	9.0±0.4	5.0±0.5	2.5	9.5	5.0	2.5
FASDRS-1205	12.6±0.5	11.6±0.5	5.4±0.5	3.0	12.0	6.0	3.0

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH SERIES

FEATURES:

Shiedlded Structure
Flat-top for pick and place
Low Resistance Allow high Current
Excellent Thermal Stability
Low profile

OPTIONS:

Tape & Reel is Standard
[Q ty:2000pcs.]
Bulk packaging Available
for Smaller Q uantities
Tolerance:K=10% ,M=20% is
Standard, Tighter Tolerances Available

COMMON APPLCATIONS:

Ideal for a variety of DC - DC converter
Inductors Applications
DC/D C converter
Power supplies for:
porttable communication equipment
Camcordert
CD,TV,PDA,PD P
Lotebook computer

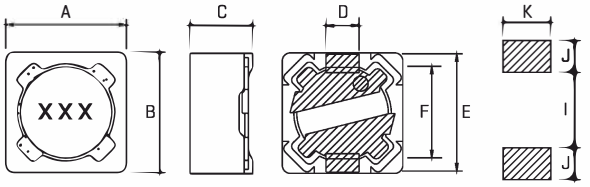
STANDARD SPECIFICATION:

Part Number	Inductance L[μ]	DCR[Ω]							IDC[A]						
		FASDRH 0603	FASDRH 0605	FASDRH 0703	FASDRH 0704	FASDRH 1204	FASDRH 1205	FASDRH 1207	FASDRH 0603	FASDRH 0605	FASDRH 0703	FASDRH 0704	FASDRH 1204	FASDRH 1205	FASDRH 1207
1R2	1.2							0.007							9.80
2R4	2.4							0.0115							8.00
3R5	3.5	0.027						0.0135	3.0						7.50
4R7	4.7	0.031						0.0158	2.4						6.80
6R1	6.1	0.035						0.0176	3.25						6.60
7R6	7.6	0.054						0.0200	2.10						5.90
100	10	0.065	0.12	0.076	0.056	0.028	0.025	0.0220	1.70	1.35	1.68	1.84	4.50	4.00	5.40
120	12	0.070	0.13	0.098	0.06	0.038	0.027	0.0243	1.55	1.20	1.52	1.71	4.00	3.50	4.90
150	15	0.084	0.18	0.15	0.085	0.050	0.030	0.0270	1.40	1.10	1.33	1.47	3.20	3.30	4.50
180	18	0.095	0.24	0.17	0.10	0.057	0.030	0.0392	1.32	1.00	1.20	1.31	3.10	3.00	3.90
220	22	0.128	0.27	0.19	0.11	0.066	0.036	0.0432	1.20	0.91	1.07	1.23	2.90	2.80	3.60
270	27	0.142	0.30	0.23	0.18	0.080	0.051	0.0459	1.05	0.82	0.96	1.12	2.80	2.30	3.40
330	33	0.165	0.33	0.28	0.25	0.097	0.057	0.0648	0.97	0.75	0.91	0.96	2.70	2.10	3.00
390	39	0.210	0.37	0.34	0.26	0.132	0.068	0.0729	0.86	0.69	0.77	0.91	2.10	2.00	2.75
470	47	0.238	0.52	0.36	0.28	0.150	0.075	0.100	0.80	0.62	0.76	0.88	1.90	1.80	2.50
560	56	0.277	0.56	0.47	0.40	0.190	0.11	0.110	0.73	0.58	0.68	0.75	1.80	1.70	2.35
680	68	0.304	0.63	0.52	0.43	0.220	0.12	0.140	0.65	0.52	0.61	0.69	1.50	1.50	2.10
820	82	0.390	0.71	0.69	0.61	0.260	0.14	0.160	0.60	0.47	0.57	0.61	1.30	1.40	1.95
101	100	0.535	1.03	0.79	0.66	0.308	0.16	0.220	0.54	0.43	0.50	0.60	1.20	1.30	1.70
121	120	0.650	1.15	0.89	0.88	0.380	0.17	0.250	0.30	0.39	0.49	0.52	1.10	1.10	1.60
151	150	0.820	1.68	1.27	0.98	0.530	0.23	0.280	0.30	0.35	0.43	0.46	0.95	1.00	1.42
181	180	1.10	1.87	1.45	1.17	0.620	0.29	0.350	0.28	0.32	0.39	0.42	0.85	0.90	1.30
221	220	1.45	2.08	1.65	1.86	0.700	0.40	0.390	0.24	0.29	0.35	0.36	0.80	0.80	1.16
271	270	1.72	2.37	2.31	2.85	0.870	0.46	0.560	0.22	0.26	0.32	0.34	0.60	0.75	1.06
331	330	2.05	2.67	2.62	3.01	0.990	0.51	0.640	0.20	0.25	0.28	0.32	0.50	0.68	0.95
391	390	2.52	2.94	2.94	3.62		0.69	0.700	0.18	0.22	0.26	0.29		0.65	0.88
471	470	3.12	3.93	4.18	4.63		0.77	0.980	0.16	0.20	0.24	0.26		0.58	0.79
561	560	3.85	5.45	4.67	5.20		0.86	1.070	0.12	0.18	0.22	0.23		0.54	0.73
681	680	4.52	7.32	5.73	6.00		1.20	1.460	0.11	0.17	0.19	0.22		0.48	0.67
821	820	5.29	8.24	6.54	6.00		1.34	1.640	0.10	0.15	0.18	0.20		0.43	0.60
102	1000	7.22	9.24	9.44	6.00		1.53	1.820	0.08	0.14	0.16	0.18		0.40	0.55

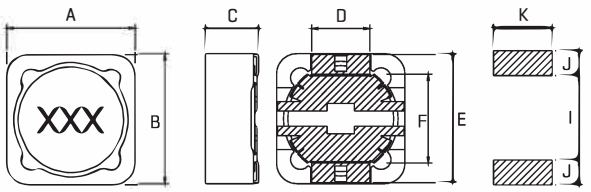
TECHNICAL INFORMATION & CHARACTERISTICS:

SHAPE AND DIMENSION

0603/0605/0703/0704



1204/1205/1207



TYPE	FASDRH 0603	FASDRH 0605	FASDRH 0703	FASDRH 0704	FASDRH 1204	FASDRH 1205	FASDRH 1207
A	6.5Max	6.5Max	7.5Max	7.5Max	12.3Max	12.3Max	12.3Max
B	6.5Max	6.5Max	7.5Max	7.5Max	12.3Max	12.3Max	12.3Max
C	3.0Max	5.0Max	3.4Max	4.5Max	4.5Max	6.0Max	8.0Max
D	1.5	1.5	1.8	1.8	5.0	5.0	5.0
E	6.6	6.6	7.2	7.2	11.8	11.8	11.8
F	4.6	4.6	5.4	5.4	7.6	7.6	7.6
I	4.6	4.6	4.8	4.8	7.0	7.0	7.0
J	1.4	1.4	1.5	1.5	2.8	2.8	2.8
K	1.9	1.9	2.2	2.2	5.4	5.4	5.4

Test Equipment and Conditions
Inductance is measured with HP-4284A LCR meter or equivalent
Maximum allowable DC current is that which causes a 25%
inductance reduction of the initial value, or coil temerature to rise
by 40℃ ,whichever is smaller.[Reference ambient temperature 20℃]
Operating temperature:-25℃ ~+85℃

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH4D18-4D28 SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 2.56A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

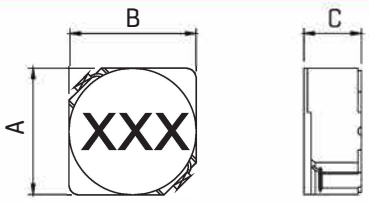
VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication Systen
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

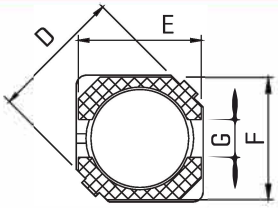
ELECTRICAL CHARACTERISTICS

Part Number	L µH	Test Freq KHz	DCR ohm Max	IDC Max A	Part Number	L µH	Test Freq KHz	DCR ohm Max	IDC Max A
FASDRH4D18-1R0N	1.0	100	0.034	1.72	FASDRH4D28-1R0N	1.0	100	25.3	2.56
FASDRH4D18-2R2N	2.2	100	0.045	1.32	FASDRH4D28-1R5N	1.5	100	31.8	2.38
FASDRH4D18-2R7N	2.7	100	0.058	1.28	FASDRH4D28-1R8N	1.8	100	36.9	2.20
FASDRH4D18-3R3N	3.3	100	0.070	1.04	FASDRH4D28-2R7N	2.7	100	50.4	1.60
FASDRH4D18-3R9N	3.9	100	0.082	0.88	FASDRH4D28-3R3N	3.3	100	57.6	1.57
FASDRH4D18-4R7N	4.7	100	0.093	0.84	FASDRH4D28-3R9N	3.9	100	66.4	1.44
FASDRH4D18-5R6N	5.6	100	0.112	0.80	FASDRH4D28-4R7N	4.7	100	72.0	1.32
FASDRH4D18-6R8N	6.8	100	0.140	0.76	FASDRH4D28-5R6N	5.6	100	80.0	1.17
FASDRH4D18-8R2N	8.2	100	0.174	0.68	FASDRH4D28-6R8N	6.8	100	92.0	1.12
FASDRH4D18-100N	10	100	0.200	0.61	FASDRH4D28-8R2N	8.2	100	98.0	1.04
FASDRH4D18-120N	12	100	0.229	0.56	FASDRH4D28-100N	10	100	103	1.00
FASDRH4D18-150N	15	100	0.261	0.50	FASDRH4D28-120N	12	100	128	0.84
FASDRH4D18-180N	18	100	0.295	0.48	FASDRH4D28-150N	15	100	144	0.76
FASDRH4D18-220N	22	100	0.397	0.41	FASDRH4D28-180N	18	100	186	0.72
FASDRH4D18-270N	27	100	0.441	0.35	FASDRH4D28-220N	22	100	218	0.70
FASDRH4D18-330N	33	100	0.525	0.32	FASDRH4D28-270N	27	100	252	0.58
FASDRH4D18-390N	39	100	0.60	0.30	FASDRH4D28-330N	33	100	285	0.56
FASDRH4D18-470N	47	100	0.72	0.28	FASDRH4D28-390N	39	100	408	0.50
FASDRH4D18-560N	56	100	0.83	0.25	FASDRH4D28-470N	47	100	440	0.48
FASDRH4D18-680N	68	100	0.97	0.23	FASDRH4D28-560N	56	100	550	0.41
FASDRH4D18-820N	82	100	1.53	0.21	FASDRH4D28-680N	68	100	620	0.35
FASDRH4D18-101N	100	100	1.68	0.20	FASDRH4D28-820N	82	100	920	0.32
FASDRH4D18-121N	120	100	2.06	0.19	FASDRH4D28-101N	100	100	1030	0.29
FASDRH4D18-151N	150	100	2.58	0.17	FASDRH4D28-121N	120	100	1520	0.27
FASDRH4D18-181N	180	100	2.95	0.16	FASDRH4D28-151N	150	100	1680	0.24
FASDRH4D18-221N	220	100	4.17	0.15	FASDRH4D28-181N	180	100	1900	0.22
FASDRH4D18-271N	270	100	4.70	0.13					
FASDRH4D18-331N	330	100	5.37	0.12					
FASDRH4D18-391N	390	100	8.91	0.11					

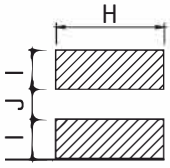
Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:





LAND PATTERNS



CONSTRUCTION

Induc ance Testing: HP4284A (Equivalent acceptable)
DCR:QuadTech 1880 Milliohmmeter
Q- HP4342A - SRF-HP4191A
IDCMax current is decreased 10% against its initial value
Operating temperature: -40℃ to +105℃
Storage Temperature: -40℃ to +105℃
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260℃ for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice.

DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	G	H	I	J
FASDRH4D18	5.0Max	5.0Max	2.0Max	6.9Max	4.5	4.5	1.5	5.3	1.9	1.5
FASDRH4D28	5.0Max	5.0Max	3.1Max	6.9Max	4.5	4.5	1.5	5.3	1.9	1.5

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH5D18-5D28 SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 3.86A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

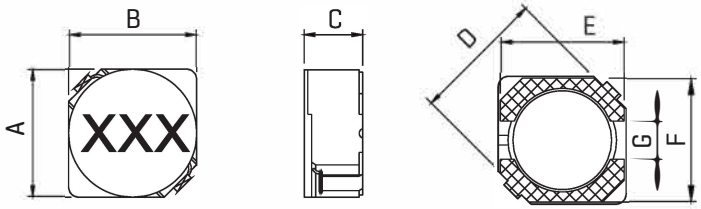
ELECTRICAL CHARACTERISTICS

Part Number	L µH	Test Freq KHz	DCR ohm Max	IDC Max A	Part Number	L µH	Test Freq KHz	DCR ohm Max	IDC Max A
FASDRH5D18-1R0N	1.0	10	0.028	3.86	FASDRH5D28-2R5N	2.5	10	0.018	2.60
FASDRH5D18-1R5N	1.5	10	0.036	3.12	FASDRH5D28-3R0N	3.0	10	0.024	2.40
FASDRH5D18-2R2N	2.2	10	0.043	2.63	FASDRH5D28-4R2N	4.2	10	0.031	2.20
FASDRH5D18-2R7N	2.7	10	0.051	2.38	FASDRH5D28-5R3N	5.3	10	0.038	1.90
FASDRH5D18-3R5N	3.5	10	0.063	1.95	FASDRH5D28-6R2N	6.2	10	0.045	1.80
FASDRH5D18-4R7N	4.7	10	0.072	1.76	FASDRH5D28-8R2N	8.2	10	0.053	1.60
FASDRH5D18-5R6N	5.6	10	0.083	1.60	FASDRH5D28-100N	10	10	0.065	1.30
FASDRH5D18-6R8N	6.8	10	0.102	1.40	FASDRH5D28-120N	12	10	0.076	1.20
FASDRH5D18-8R2N	8.2	10	0.116	1.25	FASDRH5D28-150N	15	10	0.103	1.10
FASDRH5D18-100N	10	10	0.124	1.20	FASDRH5D28-180N	18	10	0.110	1.00
FASDRH5D18-120N	12	10	0.162	1.10	FASDRH5D28-220N	22	10	0.112	0.90
FASDRH5D18-150N	15	10	0.204	0.97	FASDRH5D28-270N	27	10	0.175	0.85
FASDRH5D18-180N	18	10	0.226	0.85	FASDRH5D28-330N	33	10	0.189	0.75
FASDRH5D18-220N	22	10	0.265	0.80	FASDRH5D28-390N	39	10	0.212	0.70
FASDRH5D18-270N	27	10	0.320	0.75	FASDRH5D28-470N	47	10	0.250	0.62
FASDRH5D18-330N	33	10	0.380	0.65	FASDRH5D28-560N	56	10	0.305	0.58
FASDRH5D18-390N	39	10	0.496	0.57	FASDRH5D28-680N	68	10	0.355	0.52
FASDRH5D18-470N	47	10	0.525	0.54	FASDRH5D28-820N	82	10	0.463	0.46
FASDRH5D18-560N	56	10	0.795	0.50	FASDRH5D28-101N	100	10	0.520	0.42
FASDRH5D18-680N	68	10	0.860	0.43					
FASDRH5D18-820N	82	10	0.980	0.41					
FASDRH5D18-101N	100	10	1.250	0.36					

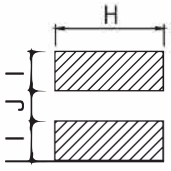
Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

PHYSICAL CHARACTERISTICS:



LAND PATTERNS



CONSTRUCTION

Induc ance Testing: HP4284A (Equivalent acceptable)
DCR:QuadTech 1880 Milliohmmeter
Q- HP4342A - SRF-HP4191A
IDCMax current is decreased 10% against its initial value
Operating temperature: -40℃ to +105℃
Storage Temperature: -40℃ to +105℃
Solder methods: Vapor Phase, Infrared Reflow
Resistance to soldering heat:260℃ for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice.

DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	G	H	I	J
FASDRH5D18	6.0Max	6.0Max	2.2Max	8.2Max	5.5	5.5	2.0	6.3	2.15	2.0
FASDRH5D28	5.7Max	5.7Max	3.2Max	8.2Max	5.5	5.5	2.0	6.3	2.15	2.0

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH6D28-6D38 SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 3.2A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

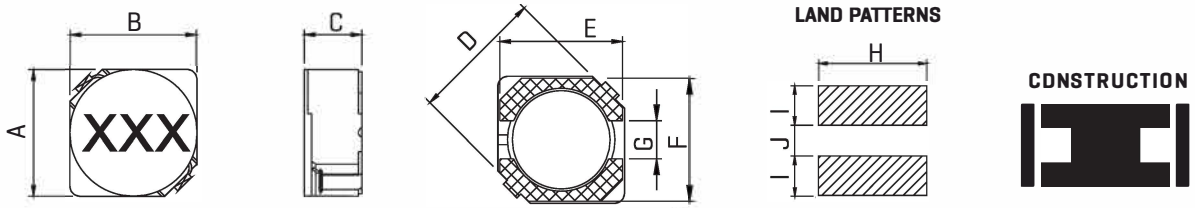
VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L µH	Test Freq KHz	DCR ohm Max	IDC Max A	Part Number	L µH	Test Freq KHz	DCR ohm Max	IDC Max A
FASDRH6D28-3R0N	3.0	10	24	3.00	FASDRH6D38-3R3N	3.3	10	20	3.20
FASDRH6D28-3R9N	3.9	10	27	2.60	FASDRH6D38-5R0N	5.0	10	24	2.60
FASDRH6D28-5R0N	5.0	10	31	2.40	FASDRH6D38-6R2N	6.2	10	27	2.30
FASDRH6D28-6R0N	6.0	10	35	2.25	FASDRH6D38-7R4N	7.4	10	31	2.10
FASDRH6D28-7R3N	7.3	10	54	2.10	FASDRH6D38-8R7N	8.7	10	34	2.00
FASDRH6D28-8R6N	8.6	10	58	1.85	FASDRH6D38-100N	10	10	44	1.80
FASDRH6D28-100N	10	10	65	1.70	FASDRH6D38-120N	12	10	53	1.70
FASDRH6D28-120N	12	10	70	1.55	FASDRH6D38-150N	15	10	57	1.45
FASDRH6D28-150N	15	10	84	1.40	FASDRH6D38-180N	18	10	92	1.40
FASDRH6D28-180N	18	10	95	1.32	FASDRH6D38-220N	22	10	96	1.20
FASDRH6D28-220N	22	10	128	1.20	FASDRH6D38-270N	27	10	109	1.10
FASDRH6D28-270N	27	10	142	1.05	FASDRH6D38-330N	33	10	124	1.00
FASDRH6D28-330N	33	10	165	0.97	FASDRH6D38-390N	39	10	138	0.95
FASDRH6D28-390N	39	10	210	0.86	FASDRH6D38-470N	47	10	155	0.85
FASDRH6D28-470N	47	10	238	0.80	FASDRH6D38-560N	56	10	202	0.75
FASDRH6D28-560N	56	10	277	0.73	FASDRH6D38-680N	68	10	234	0.70
FASDRH6D28-680N	68	10	304	0.65	FASDRH6D38-820N	82	10	324	0.62
FASDRH6D28-820N	82	10	390	0.60	FASDRH6D38-101N	100	10	358	0.58
FASDRH6D28-101N	100	10	535	0.54					

Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:



Induc ance Testing: HP4284A [Equivalent acceptable]
DCR:QuadTech 1880 Milliohmmeter
Q- HP4342A - SRF-HP4191A
IDCMax current is decreased 10% against its initial value
Operating temperature: -40℃ to +105℃
Storage Temperature: -40℃ to +105℃
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260℃ for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice.

DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	G	H	I	J
FASDRH6D28	7.0Max	7.0Max	3.2Max	9.5Max	6.5	6.5	2.0	7.3	2.65	2.0
FASDRH6D38	7.0Max	7.0Max	4.2Max	9.5Max	6.5	6.5	2.0	7.3	2.65	2.0

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH8D28-8D43 SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 6.4A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

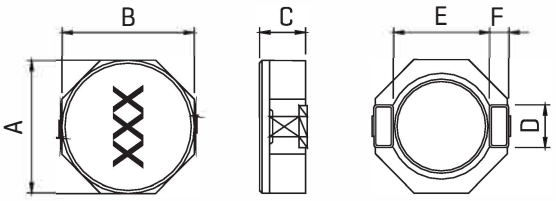
Part Number	L µH	Test Freq KHz	DCR mohm Max	IDC Max A
FASDRH8D28-2R5N	2.5	100	18.5	5.4
FASDRH8D28-3R3N	3.3	100	24.6	4.8
FASDRH8D28-4R7N	4.7	100	36.8	4.0
FASDRH8D28-6R8N	6.8	100	48.4	3.2
FASDRH8D28-100N	100	100	62.2	2.7
FASDRH8D28-150N	150	100	93.5	2.2
FASDRH8D28-220N	220	100	156.6	1.8
FASDRH8D28-330N	330	100	205.2	1.4
FASDRH8D28-470N	470	100	266.1	1.25
FASDRH8D28-680N	680	100	368.5	0.96
FASDRH8D28-101N	101	100	610.8	0.78

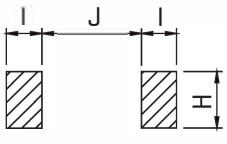
Part Number	L µH	Test Freq KHz	DCR mohm Max	IDC Max A
FASDRH8D43-2R0N	2.0	100	14	6.4
FASDRH8D43-3R9N	3.9	100	19	5.0
FASDRH8D43-4R7N	4.7	100	22	4.6
FASDRH8D43-6R8N	6.8	100	32	4.2
FASDRH8D43-100N	10	100	40	3.6
FASDRH8D43-150N	15	100	58	2.6
FASDRH8D43-220N	22	100	96	2.1
FASDRH8D43-330N	33	100	144	1.6
FASDRH8D43-470N	47	100	195	1.4
FASDRH8D43-680N	68	100	240	1.2
FASDRH8D43-101N	100	100	360	0.9

Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

PHYSICAL CHARACTERISTICS:





LAND PATTERNS

CONSTRUCTION

Induc ance Testing: HP4284A (Equivalent acceptable)
OCR:QuadTech 1880 Milliohmmeter
Q- HP4342A - SRF-HP4191A
IDCMax current is decreased 10% against its initial value
Operating temperature: -40℃ to +105℃
Storage Temperature: -40℃ to +105℃
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260℃ for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice.

DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	H	I	J
FASDRH8D28	8.3Max	8.3Max	3.0Max	2.5	6.3	1.2	2.8	2.0	6.1
FASDRH8D43	8.3Max	8.3Max	4.5Max	2.5	6.3	1.2	2.8	2.0	6.1

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH2D11-3D16 SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 1.8A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:30% and 20% is standard tighter tolerances available

COMMON APPLICATIONS:

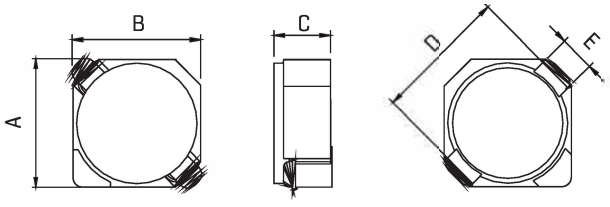
VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L µH	Test Freq KHz	DCR ohm Max	IDC Max A	Part Number	L µH	Test Freq KHz	DCR ohm Max	IDC Max A
FASDRH2D11-1R5N	1.5	100	0.068	0.90	FASDRH3D16-1R0N	1.0	100	0.048	1.80
FASDRH2D11-2R2N	2.2	100	0.098	0.78	FASDRH3D16-1R5N	1.5	100	0.054	1.55
FASDRH2D11-3R3N	3.3	100	0.123	0.60	FASDRH3D16-2R2N	2.2	100	0.072	1.20
FASDRH2D11-4R7N	4.7	100	0.170	0.50	FASDRH3D16-3R3N	3.3	100	0.105	1.03
FASDRH2D11-6R8N	6.8	100	0.260	0.44	FASDRH3D16-3R9N	3.9	100	0.118	1.02
FASDRH2D11-100N	10	100	0.400	0.35	FASDRH3D16-4R7N	4.7	100	0.132	0.95
FASDRH2D11-220N	22	100	1.000	0.25	FASDRH3D16-5R6N	5.6	100	0.148	0.75
FASDRH2D18-2R2N	2.2	100	0.041	0.85	FASDRH3D16-6R8N	6.8	100	0.195	0.73
FASDRH2D18-3R3N	3.3	100	0.054	0.75	FASDRH3D16-8R2N	8.2	100	0.250	0.65
FASDRH2D18-4R7N	4.7	100	0.078	0.63	FASDRH3D16-100N	10	100	0.275	0.58
FASDRH2D18-6R8N	6.8	100	0.106	0.52	FASDRH3D16-120N	12	100	0.312	0.50
FASDRH2D18-100N	10	100	0.180	0.43	FASDRH3D16-150N	15	100	0.412	0.46
FASDRH2D18-150N	15	100	0.220	0.35	FASDRH3D16-180N	18	100	0.462	0.43
FASDRH2D18-220N	22	100	0.320	0.30	FASDRH3D16-220N	22	100	0.600	0.40
FASDRH2D18-330N	33	100	0.460	0.24	FASDRH3D16-270N	27	100	0.712	0.35
FASDRH2D18-470N	47	100	0.660	0.20	FASDRH3D16-330N	33	100	0.925	0.32
					FASDRH3D16-390N	39	100	1.062	0.28
					FASDRH3D16-470N	47	100	1.175	0.26

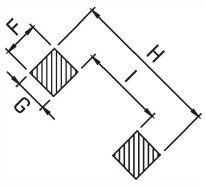
Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:



LAND PATTERNS

CONSTRUCTION



Induc ance Testing: HP4284A [Equivalent acceptable]
DCR:QuadTech 1880 Milliohmmeter
Q- HP4342A - SRF-HP4191A
IDCMax current is decreased 10% against its initial value
Operating temperature: -40°C to +105°C
Storage Temperature: -40°C to +105°C
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260°C for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice.

DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	G	H	I
FASDRH2D11	3.2Max	3.2Max	1.2Max	3.3	1.0	1.3	1.3	4.3	1.7
FASDRH2D18	3.2Max	3.2Max	2.0Max	3.3	1.0	1.3	1.3	4.3	1.7
FASDRH3D16	4.0Max	4.0Max	1.9Max	4.4	1.1	1.5	1.4	5.2	2.4

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH3818,5018 SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 2.7A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2500pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

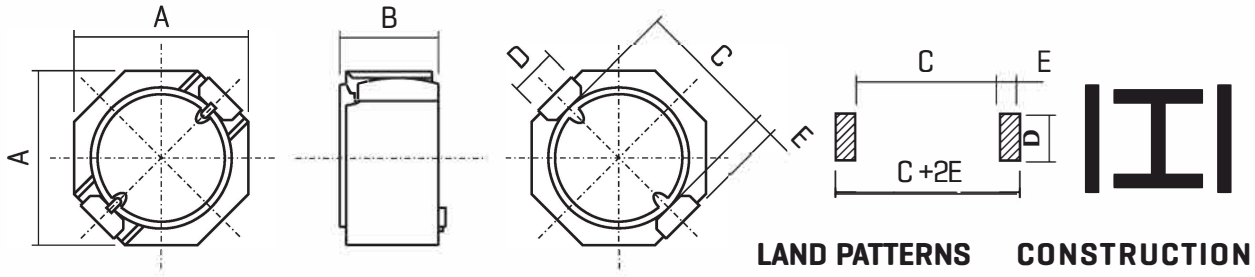
ELECTRICAL CHARACTERISTICS

Part Number	L (μH)	Test Freq (kHz)	DCR ohm Max	IDC Max A
FASDRH3818-1R0M	1.0	100	0.030	1.80
FASDRH3818-2R2M	2.2	100	0.058	1.50
FASDRH3818-3R3M	3.3	100	0.064	1.30
FASDRH3818-4R7M	4.7	100	0.146	1.10
FASDRH3818-5R6M	5.6	100	0.176	0.95
FASDRH3818-6R8M	6.8	100	0.238	0.90
FASDRH3818-8R2M	8.2	100	0.272	0.80
FASDRH3818-100M	10	1	0.299	0.70
FASDRH3818-150M	15	1	0.472	0.61
FASDRH3818-220M	22	1	0.592	0.52
FASDRH3818-270M	27	1	0.630	0.44
FASDRH3818-330M	33	1	1.075	0.43
FASDRH3818-470M	47	1	1.309	0.34
FASDRH3818-680M	68	1	2.613	0.25
FASDRH3818-820M	82	1	2.950	0.20
FASDRH3818-101M	100	1	3.255	0.19
FASDRH3818-151M	150	1	3.500	0.12

Part Number	L (μH)	Test Freq (kHz)	DCR ohm Max	IDC Max A
FASDRH5018-1R2M	1.2	100	0.054	1.80
FASDRH5018-1R8M	1.8	100	0.065	1.60
FASDRH5018-2R3M	2.3	100	0.076	1.50
FASDRH5018-3R6M	3.6	100	0.097	1.20
FASDRH5018-4R3M	4.3	100	0.100	1.10
FASDRH5018-5R1M	5.1	100	0.130	1.00
FASDRH5018-6R8M	6.8	100	0.150	0.94
FASDRH5018-100M	10	100	0.220	0.80
FASDRH5018-150M	15	100	0.325	0.64
FASDRH5018-180M	18	100	0.380	0.56
FASDRH5018-220M	22	100	0.540	0.49
FASDRH5018-330M	33	100	0.770	0.41
FASDRH5018-470M	47	100	1.120	0.33

Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS & TECHNICAL INFORMATION



LAND PATTERNS CONSTRUCTION

DIMENSIONS IN: mm

Part number	A	B	C	D	E	C+2E
FASDRH3818	3.85±0.	1.8Max	3.2	1.6	0.5	4.2
FASDRH5018	5.20Max	3.0Max	4.2±0.	1.4±0.	0.6±0.	5.4

Induc ance Testing: HP4284A (Equivalent acceptable)
DCR:QuadTech 1880 Milliohmmeter Q- HP4342A - SRF-HP4191A IDCMax
Current is decreased 10% against its initial value
Operatingtemperature: -40℃ to +105℃
Storage temperature: -40℃ to +105℃
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260℃ for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH5020,5028 SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 2.7A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2500pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

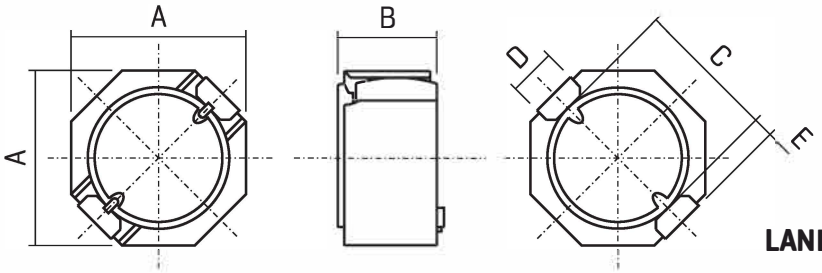
ELECTRICAL CHARACTERISTICS

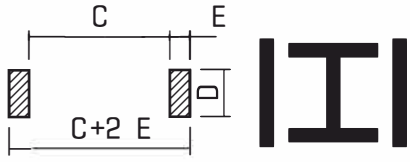
Part Number	L (μH)	Test Freq (kHz)	DCR ohm Max	IDC Max A
FASDRH5020-1R2M	1.2	100	0.044	2.15
FASDRH5020-2R2M	2.2	100	0.059	1.63
FASDRH5020-3R3M	3.3	100	0.062	1.50
FASDRH5020-4R7M	4.7	100	0.087	1.14
FASDRH5020-6R8M	6.8	100	0.105	0.95
FASDRH5020-8R2M	8.2	100	0.139	0.90
FASDRH5020-100M	10	1	0.150	0.76
FASDRH5020-150M	15	1	0.210	0.63
FASDRH5020-220M	22	1	0.275	0.56
FASDRH5020-330M	33	1	0.455	0.44
FASDRH5020-470M	47	1	0.730	0.35
FASDRH5020-680M	68	1	0.935	0.30
FASDRH5020-101M	100	1	1.500	0.23
FASDRH5020-121M	120	1	1.910	0.22
FASDRH5020-151M	150	1	2.680	0.21
FASDRH5020-181M	180	1	3.040	0.20
FASDRH5020-221M	220	1	3.520	0.195
FASDRH5020-271M	270	1	4.380	0.193
FASDRH5020-331M	330	1	5.560	0.190
FASDRH5020-471M	470	1	7.820	0.180

Part Number	L (μH)	Test Freq (kHz)	DCR ohm Max	IDC Max A
FASDRH5028-1R0M	1.0	100	0.015	4.00
FASDRH5028-2R2M	2.2	100	0.029	2.41
FASDRH5028-3R3M	3.3	100	0.034	2.36
FASDRH5028-4R7M	4.7	100	0.045	1.87
FASDRH5028-5R6M	5.6	100	0.052	1.60
FASDRH5028-6R8M	6.8	100	0.068	1.51
FASDRH5028-100M	10	1	0.090	1.33
FASDRH5028-150M	15	1	0.142	1.05
FASDRH5028-220M	22	1	0.208	0.86
FASDRH5028-330M	33	1	0.257	0.72
FASDRH5028-470M	47	1	0.352	0.62
FASDRH5028-680M	68	1	0.525	0.51
FASDRH5028-101M	100	1	0.801	0.43
FASDRH5028-121M	120	1	0.850	0.34
FASDRH5028-151M	150	1	1.100	0.26
FASDRH5028-181M	180	1	1.190	0.24
FASDRH5028-221M	220	1	1.530	0.20

Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS& TECHNICAL INFORMATION





LAND PATTERNS

CONSTRUCTION

DIMENSIONS IN: mm

Part number	A	B	C	D	E	C+2E
FASDRH5020	5.00±0.3	2.0Max	4.2	1.6	0.6	5.4
FASDRH5028	5.30±0.3	2.8Max	4.2	1.6	0.6	5.4

Induc ance Testing: HP4284A (Equivalent acceptable)
DCR:QuadTech 1880 Milliohmmeter Q- HP4342A - SRF-HP4191A IDCMax
Current is decreased 10% against its initial value
Operating temperature: -40℃ to +105℃
Storage temperature: -40℃ to +105℃
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260℃ for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH6025-6028 SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 2.7A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

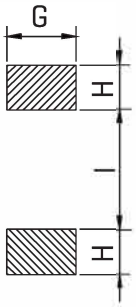
VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

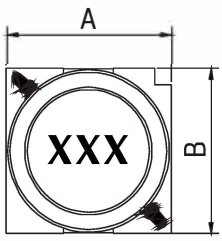
Part Number	L (μH)	Test Freq (kHz)	DCR ohm Max	IDC Max A
FASDRH6025-1R0N	1.0	100	0.016	2.70
FASDRH6025-2R7N	2.7	100	0.022	1.80
FASDRH6025-4R7N	4.7	100	0.037	1.50
FASDRH6025-6R8N	6.8	100	0.054	1.30
FASDRH6025-100M	10	100	0.069	1.00
FASDRH6025-150M	15	100	0.102	0.88
FASDRH6025-220M	22	100	0.147	0.73
FASDRH6025-330K	33	100	0.216	0.59
FASDRH6025-470M	47	100	0.288	0.48
FASDRH6025-680K	68	100	0.444	0.42
FASDRH6025-101M	100	100	0.600	0.33
FASDRH6028-4R7N	4.7	1	0.035	1.60
FASDRH6028-6R8N	6.8	1	0.043	1.50
FASDRH6028-100M	10	1	0.064	1.30
FASDRH6028-150M	15	1	0.090	1.00
FASDRH6028-220M	22	1	0.125	0.77
FASDRH6028-330K	33	1	0.178	0.69
FASDRH6028-470M	47	1	0.252	0.59
FASDRH6028-680K	68	1	0.348	0.50
FASDRH6028-101M	100	1	0.516	0.42

Note:1. K=±10%,M=±20%,N=±30%

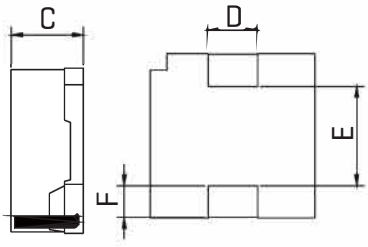
PHYSICAL CHARACTERISTICS



LAND PATTERNS



CONSTRUCTION



TECHNICAL INFORMATION

Induc ance Testing: HP4284A (Equivalent acceptable)
DCR:QuadTech 1880 Milliohmmeter
Q- HP4342A - SRF-HP4191A
IDCMax current is decreased 10% against its initial value
Operating temperature: -40℃ to +105℃
Storage Temperature: -40℃ to +105℃
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260℃ for 10 secon
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice.

DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	G	H	I
FASDRH6025	6.3Max	6.3Max	2.8Max	2.0	4.0	1.2	2.8	2.0	2.0
FASDRH6028	6.3Max	6.3Max	3.1Max	2.0	4.0	1.2	2.8	2.0	2.0

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH7028-7030 SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 1.6A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

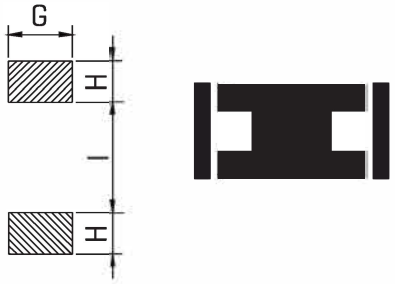
VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

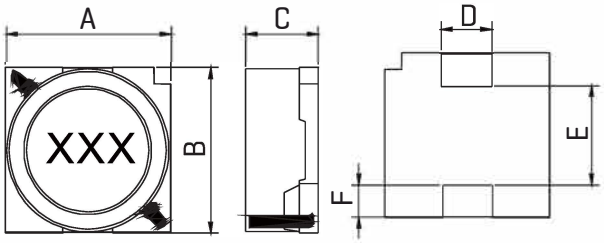
Part Number	L (µH)	Test Freq (kHz)	DCR ohm Max	IDC Max A
FASDRH7028-3R3N	3.3	1	0.045	1.60
FASDRH7028-4R7N	4.7	1	0.054	1.50
FASDRH7028-6R8N	6.8	1	0.071	1.30
FASDRH7028-100M	10	1	0.100	1.10
FASDRH7028-150M	15	1	0.156	0.88
FASDRH7028-220M	22	1	0.216	0.75
FASDRH7028-330M	33	1	0.288	0.65
FASDRH7028-470M	47	1	0.408	0.54
FASDRH7030-3R3N	3.3	1	0.028	1.80
FASDRH7030-4R7N	4.7	1	0.044	1.60
FASDRH7030-6R8N	6.8	1	0.050	1.50
FASDRH7030-100M	10	1	0.064	1.30
FASDRH7030-150M	15	1	0.110	1.00
FASDRH7030-220M	22	1	0.132	0.86
FASDRH7030-330M	33	1	0.192	0.65
FASDRH7030-470M	47	1	0.288	0.57
FASDRH7030-680M	68	1	0.372	0.49
FASDRH7030-101M	100	1	0.540	0.35

Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS



LAND PATTERNS CONSTRUCTION



TECHNICAL INFORMATION

Induc ance Testing: HP4284A [Equivalent acceptable]
DCR:QuadTech 1880 Milliohmmeter
Q- HP4342A - SRF-HP4191A
IDCMax current is decreased 10% against its initial value
Operating temperature: -40℃ to +105℃
Storage Temperature: -40℃ to +105℃
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260℃ for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice

DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	G	H	I
FASDRH7028	7.3Max	7.3Max	3.2Max	2.0	4.9	1.1	2.8	2.0	2.0
FASDRH7030	7.3Max	7.3Max	3.4Max	2.0	4.9	1.1	2.8	2.0	2.0

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH7032-7045 SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 1.9A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

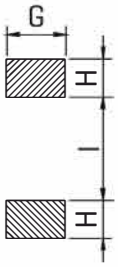
VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

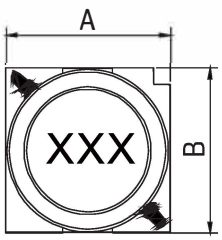
Part Number	L (μH)	Test Freq (kHz)	DCR ohm Max	IDC Max A
FASDRH7032-3R3N	3.3	1	0.028	1.90
FASDRH7032-4R7N	4.7	1	0.044	1.70
FASDRH7032-6R8N	6.8	1	0.050	1.60
FASDRH7032-100M	10	1	0.064	1.40
FASDRH7032-150M	15	1	0.090	1.10
FASDRH7032-220M	22	1	0.132	0.96
FASDRH7032-330M	33	1	0.192	0.75
FASDRH7032-470M	47	1	0.288	0.67
FASDRH7032-680M	68	1	0.372	0.59
FASDRH7032-101M	100	1	0.542	0.45
FASDRH7032-151M	150	1	0.780	0.37
FASDRH7032-221M	220	1	1.260	0.29
FASDRH7032-331M	330	1	2.010	0.22
FASDRH7032-471M	470	1	2.460	0.20
FASDRH7032-681M	680	1	3.780	0.16
FASDRH7032-102M	1000	1	5.740	0.13
FASDRH7045-3R3N	3.3	1	0.034	2.20
FASDRH7045-4R7N	4.7	1	0.038	2.10
FASDRH7045-6R8N	6.8	1	0.047	1.90
FASDRH7045-100M	10	1	0.057	1.80
FASDRH7045-150M	15	1	0.082	1.46
FASDRH7045-220M	22	1	0.099	1.25
FASDRH7045-330M	33	1	0.144	1.10
FASDRH7045-470M	47	1	0.216	0.90
FASDRH7045-680M	68	1	0.324	0.75
FASDRH7045-101M	100	1	0.468	0.60
FASDRH7045-151M	150	1	0.660	0.50
FASDRH7045-221M	220	1	0.996	0.40
FASDRH7045-331M	330	1	1.380	0.35
FASDRH7045-471M	470	1	2.160	0.31

Note:1. K=±10%,M=±20%,N=±30%

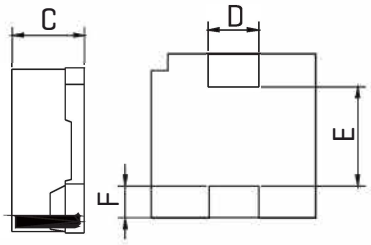
PHYSICAL CHARACTERISTICS



LAND PATTERNS



CONSTRUCTION



TECHNICAL INFORMATION

Induc ance Testing: HP4284A (Equivalent acceptable)
DCR:QuadTech 1880 Milliohmmeter
Q- HP4342A - SRF- HP4191A
IDCMax current is decreased 10% against its initial value
Operating temperature: -40℃ to +105℃
Storage Temperature: -40℃ to +105℃
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260℃ for 10 secon
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice

DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	G	H	I
FASDRH7032	7.3Max	7.3Max	3.8Max	2.0	4.9	1.1	2.8	2.0	2.0
FASDRH7045	7.3Max	7.3Max	4.8Max	2.0	4.9	1.1	2.8	2.0	2.0

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH10145-12555 SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 3.7A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

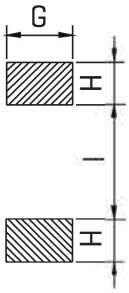
VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L (μH)	Test Freq (kHz)	DCR ohm Max	IDC Max A
FASDRH10145-3R3N	3.3	1	0.020	3.70
FASDRH10145-5R6N	5.6	1	0.027	3.20
FASDRH10145-100M	10	1	0.044	2.50
FASDRH10145-150M	15	1	0.057	2.20
FASDRH10145-220M	22	1	0.070	1.90
FASDRH10145-330K	33	1	0.100	1.70
FASDRH10145-470M	47	1	0.120	1.50
FASDRH10145-680M	68	1	0.168	1.30
FASDRH10145-101M	100	1	0.240	1.10
FASDRH10145-151M	150	1	0.420	0.81
FASDRH10145-221M	220	1	0.564	0.70
FASDRH10145-331M	330	1	0.816	0.58
FASDRH10145-471M	470	1	1.236	0.47
FASDRH10145-681M	680	1	1.920	0.38
FASDRH10145-102M	1000	1	3.360	0.29
FASDRH10145-122M	1200	1	3.600	0.25
FASDRH10145-152M	1500	1	4.080	0.22
FASDRH12555-6R0N	6.0	1	0.020	3.60
FASDRH12555-100M	10	1	0.026	3.40
FASDRH12555-150M	15	1	0.032	2.80
FASDRH12555-220M	22	1	0.041	2.30
FASDRH12555-330M	33	1	0.050	1.90
FASDRH12555-470M	47	1	0.075	1.60
FASDRH12555-680M	68	1	0.100	1.30
FASDRH12555-101M	100	1	0.150	1.10
FASDRH12555-151M	150	1	0.230	0.88
FASDRH12555-221M	220	1	0.330	0.72
FASDRH12555-331M	330	1	0.492	0.59
FASDRH12555-471M	470	1	0.624	0.49
FASDRH12555-681M	680	1	0.912	0.43
FASDRH12555-102M	1000	1	1.344	0.34
FASDRH12555-152M	1500	1	2.076	0.29

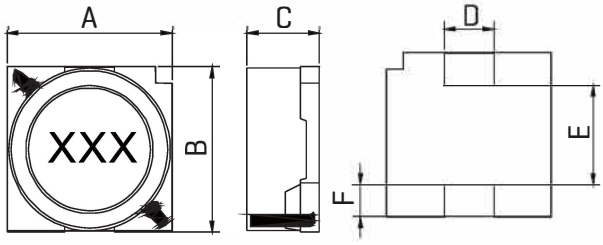
Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS



LAND PATTERNS

CONSTRUCTION



DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	G	H	I
FASDRH10145	10.4Max	10.4Max	4.8Max	3.0	6.0	2.0	3.8	2.5	5.8
FASDRH12555	12.8Max	12.8Max	5.8Max	3.0	8.6	2.0	3.8	2.5	8.5

TECHNICAL INFORMATION

Induc ance Testing: HP4284A (Equivalent acceptable)
DCR:QuadTech 1880 Milliohmmeter
Q- HP4342A - SRF-HP4191A
IDCMax current is decreased 10% against its initial value
Operating temperature: -40℃ to +105℃
Storage Temperature: -40℃ to +105℃
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260℃ for 10 secon
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH12565-12575 SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 6.2A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard [Qty:2000pcs]
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

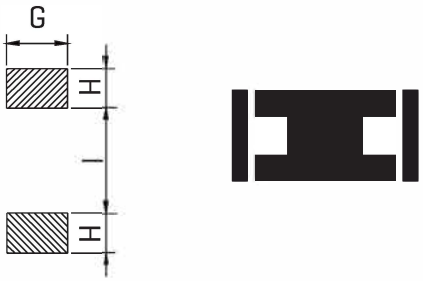
VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

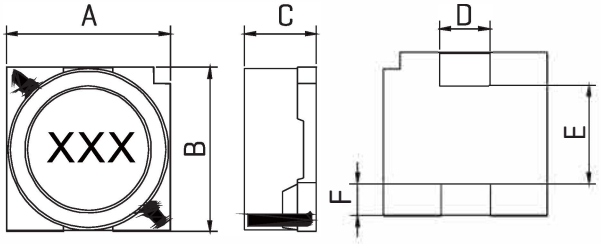
Part Number	L (μH)	Test Freq (kHz)	DCR ohm Max	IDC Max A
FASDRH12565-2R2N	2.2	1	0.014	6.20
FASDRH12565-4R2N	4.2	1	0.018	5.50
FASDRH12565-7R0N	7.0	1	0.022	5.00
FASDRH12565-100M	10	1	0.025	4.80
FASDRH12565-150M	15	1	0.029	4.40
FASDRH12565-220M	22	1	0.038	3.80
FASDRH12565-330M	33	1	0.049	3.40
FASDRH12565-470M	47	1	0.070	2.80
FASDRH12565-680M	68	1	0.095	2.40
FASDRH12565-101M	100	1	0.150	1.90
FASDRH12565-151M	150	1	0.260	1.40
FASDRH12565-221M	220	1	0.330	1.20
FASDRH12565-331M	330	1	0.600	0.95
FASDRH12575-1R2N	1.2	1	0.009	8.20
FASDRH12575-2R7N	2.7	1	0.012	7.00
FASDRH12575-3R9N	3.9	1	0.013	6.70
FASDRH12575-5R6N	5.6	1	0.014	6.30
FASDRH12575-6R8N	6.8	1	0.016	5.90
FASDRH12575-100M	10	1	0.019	5.40
FASDRH12575-150M	15	1	0.023	5.00
FASDRH12575-220M	22	1	0.032	4.00
FASDRH12575-330M	33	1	0.048	3.20
FASDRH12575-470M	47	1	0.064	2.70
FASDRH12575-680M	68	1	0.094	2.00
FASDRH12575-101M	100	1	0.150	1.90
FASDRH12575-151M	150	1	0.210	1.50
FASDRH12575-221M	220	1	0.310	1.30
FASDRH12575-331M	330	1	0.410	1.00

Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS



LAND PATTERNS CONSTRUCTION



TECHNICAL INFORMATION

Induc ance Testing: HP4284A [Equivalent acceptable]
DCR:QuadTech 1880 Milliohmmeter
Q- HP4342A - SRF-HP4191A
IDCMax current is decreased 10% against its initial value
Operating temperature: -40℃ to +105℃
Storage Temperature: -40℃ to +105℃
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260℃ for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Toleranc
Note:All specifications subject to change without notice

DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	G	H	I
FASDRH12565	12.8Max	12.8Max	6.8Max	3.0	8.6	2.0	3.8	2.5	8.5
FASDRH12575	12.8Max	12.8Max	7.8Max	3.0	8.6	2.0	3.8	2.5	8.5

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH103-104 SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 2.7A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

COMMON APPLICATIONS:

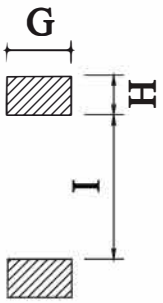
VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD POP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L (µH)	Test Freq (kHz)	DCR ohm Max	IDC Max A
FASDRH103-100M	10	100	0.0581	2.70
FASDRH103-120M	12	100	0.0721	2.25
FASDRH103-150M	15	100	0.0865	2.22
FASDRH103-180M	18	100	0.1161	1.90
FASDRH103-220M	22	100	0.1454	1.78
FASDRH103-270M	27	100	0.1759	1.63
FASDRH103-330M	33	100	0.2134	1.46
FASDRH103-390M	39	100	0.2689	1.32
FASDRH103-470M	47	100	0.2986	1.18
FASDRH103-560M	56	100	0.3358	1.10
FASDRH103-680M	68	100	0.4513	1.04
FASDRH103-820M	82	100	0.5138	0.94
FASDRH103-101M	100	100	0.7000	0.84
FASDRH103-121M	120	100	0.7650	0.76
FASDRH103-151M	150	100	0.8763	0.70
FASDRH104-1R3N	1.3	100	0.008	10.0
FASDRH104-2R5N	2.5	100	0.010	7.50
FASDRH104-3R8N	3.8	100	0.013	6.00
FASDRH104-5R2N	5.2	100	0.022	5.50
FASDRH104-7R0N	7.0	100	0.027	4.80
FASDRH104-100M	10	100	0.035	4.40
FASDRH104-150M	15	100	0.050	3.60
FASDRH104-220M	22	100	0.073	2.90
FASDRH104-330M	33	100	0.093	2.30
FASDRH104-470M	47	100	0.128	2.10
FASDRH104-680M	68	100	0.213	1.50
FASDRH104-101M	100	100	0.304	1.35
FASDRH104-151M	150	100	0.506	1.15
FASDRH104-221M	220	100	0.756	0.92
FASDRH104-331M	330	100	1.090	0.70

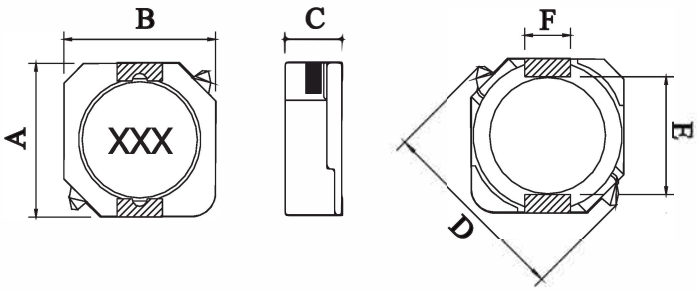
Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS



LAND PATTERNS

CONSTRUCTION



TECHNICAL INFORMATION

Inducance Testing: HP4284A (Equivalent acceptable)
DCR:QuadTech 1880 Milliohmmeter
Q- HP4342A - SRF-HP4191A
IDCMax current is decreased 10% against its initial value
Operating temperature: -40℃ to +105℃
Storage Temperature: -40℃ to +105℃
Solder methods: Vapor Phase,Infrared Reflow
Resistance to soldering heat:260℃ for 10 seconds
Solvent resistance: Conforms to MIL-STD-202E
Marking: Inductance & Tolerance
Note:All specifications subject to change without notice.

DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	G	H	I
FASDRH103	10.3Max	10.4Max	3.0Max	13.5Max	7.7	3.0	3.6	1.7	7.3
FASDRH104	10.3Max	10.4Max	4.0Max	13.5Max	7.7	3.0	3.6	1.7	7.3

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS FASDRH105 SERIES

FEATURES:

Magnetically Shielded Structure
Low DC Resistance
Large current up to 3.45A
Excellent Mechanical Strength
High Reliability and Excellent Solderability
Low and square Profile
High heat resistance

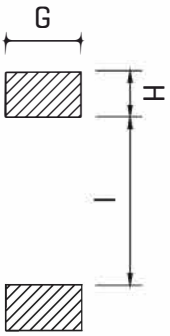
OPTIONS:

Packaging:Tape & Reel is standard (Qty:2000pcs)
Bulk packaging available for smaller quantities
Tolerance:10% and 5% is standard tighter tolerances available

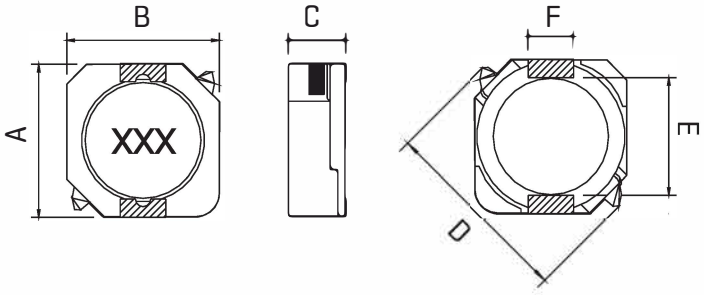
COMMON APPLICATIONS:

VCRs, Notebook, DC/DC Converters
Video Digital Cameras
Communication System
Automotive Systems Power supplier
LCD PDP Televisions
Hard Disk Drives, Topset, XDSL
Network Systems
Computer Peripheral Equipment

PHYSICAL CHARACTERISTICS:



LAND PATTERNS



CONSTRUCTION

DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	G	H	I
FASDRH105	10.3Max	10.4Max	5.0Max	13.5Max	7.7	3.0	3.6	1.7	7.3

ELECTRICAL CHARACTERISTICS

Part Number	L (μH)	Test Freq (kHz)	DCR ohm Max	IDC Max A
FASDRH105-100M	10	100	0.0258	3.45
FASDRH105-120M	12	100	0.0320	3.40
FASDRH105-150M	15	100	0.0400	2.83
FASDRH105-180M	18	100	0.0460	2.62
FASDRH105-220M	22	100	0.0585	2.44
FASDRH105-270M	27	100	0.0654	2.24
FASDRH105-330M	33	100	0.0814	1.88
FASDRH105-390M	39	100	0.1031	1.70
FASDRH105-470M	47	100	0.1221	1.56
FASDRH105-560M	56	100	0.1448	1.39
FASDRH105-680M	68	100	0.1930	1.36
FASDRH105-820M	82	100	0.2194	1.20
FASDRH105-101M	100	100	0.2470	1.09
FASDRH105-121M	120	100	0.2984	1.00
FASDRH105-151M	150	100	0.3551	0.91
FASDRH105-181M	180	100	0.3943	0.84
FASDRH105-221M	220	100	0.4838	0.75
FASDRH105-271M	270	100	0.6325	0.68
FASDRH105-331M	330	100	0.7800	0.60
FASDRH105-391M	390	100	0.9575	0.57
FASDRH105-471M	470	100	1.2204	0.50
FASDRH105-561M	560	100	1.3524	0.47
FASDRH105-681M	680	100	1.5192	0.43
FASDRH105-821M	820	100	1.6944	0.39
FASDRH105-102M	1000	100	1.9464	0.35

Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

Inductance Testing: HP4284A,HP4285A or equivalent
RDC:QuadTech 1880 Milliohmmeter
Q- HP4342A
SRF-HP4191A or HP4194A
Rated Current L value drop10%typ.at IDCagainst its initial value
Temperature rise 40℃ Max
Reference ambient temperature
Solderability: 75% of the lead wire Shall be covered
Soldering Methods: Wave,Reflow
Operating Temperature:-25℃ to +85℃
Storage Temperature: -55℃ to +125℃
Terminal bending strength:24.5N Min
Moisture resistance
△L/L≤±10% △Q/Q ≤±25%

SMD COMMON MODE CHOKES FASRF5025 SERIES

FEATURES:

Ferrite toroid core construction
Magnetically shielded
Enable common-mode noise supepression without influence signals

APPLICATIONS:

EMI countermeasures at signal lines of persomal computers, microcomputers peripheral devices etc
Countermeasures against common-mode noise at composite video signals

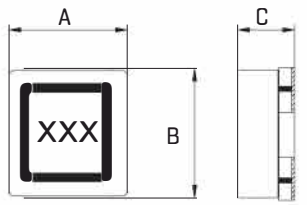
GENERAL SPECIFICATIONS:

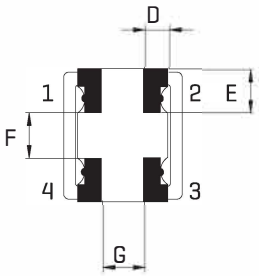
Rated current 1.5A to 6.5A
Turns ratio: N1:N2=1:1 ± 2%
Parameters Test Temp: 20°C
Operating temperature: -40°C to +125°C
Storage Temp: -0°C to +40°C
Resistance to Soldering Heat: 260°C for 10 sec
Temperature Rise: 40°C Typ. at Rated Current
All parts meet ROHS compliance

ELECTRICAL CHARACTERISTICS

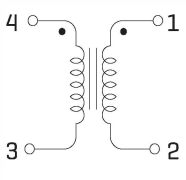
Part Number	Impedance (Ω)Typ	Test Frequency	D.C.Resistor (mΩ)40% at 20°C	Rated current (A)	Rated Voltage (V)Max	Withstand Voltage (V)	Insulation Resistance (mΩ)Min
FASRF5025-101	100	100MHz	9	6.5	50	50	125
FASRF5025-251	250	100MHz	14	5.0	50	50	125
FASRF5025-351	350	100MHz	28	4.0	50	50	125
FASRF5025-501	500	100MHz	19	4.0	50	50	125
FASRF5025-102	1000	100MHz	24	2.0	50	50	125
FASRF5025-142	1400	100MHz	40	1.5	50	50	125

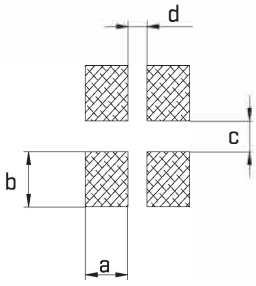
TECHNICAL INFORMATION





ELECTRICAL SCHEMATIC & PAD LAYOUT





DIMENSIONS: MM

Part number	A	B	C	D	E	F	G	a	b	c	d
FASRF5025	4.8±0.3	5.0±0.3	2.50 Max	1.25 REF	1.70 REF	1.60 REF	1.00 REF	1.80 REF	2.40 REF	1.20 REF	0.80 REF