HIGH CURRENT POWER INDUCTOR FACPQ4228 SERIES

FEATURES:

Assemblage design, sturdy structure.
High inductance, high current, low magnetic loss,
low ESR, small parasitic capacitance.
Flat wire winding, achieve a low D.C. Resistance.
Temperature rise current and saturation current is less influenced by environment.
Operating temperature: -40℃~ +125℃
(ncluding coil's temperature rise).

PRODUCT IDENTIFICATION:

CPQ 4228 - 100 M
a b c d

a:Series name
b:Product dimensions
c:Inductance Value(1R0:1.0uH;100:10uH;101:100uH)
d:Inducatance Tolerance(K:10%;M:20%;N:30%)

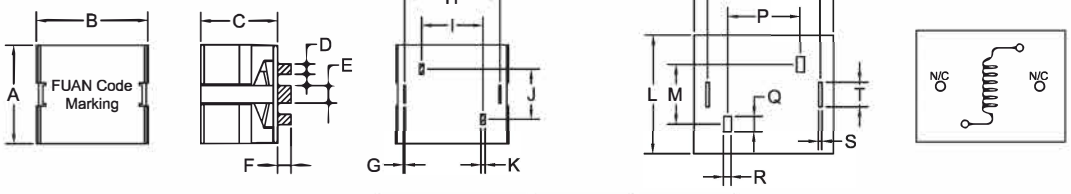
ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH)±20%	D.C.Resistor(mΩ)		Saturation Current (A)Typical	Temperature Current (A)Typical
		Typical	Max		
FACPQ4228-6R8M	6.80	2.80	2.95	75	34.0
FACPQ4228-100M	10.0	2.80	2.95	60	34.0
FACPQ4228-150M	15.0	2.80	2.95	47	34.0
FACPQ4228-220M	22.0	2.80	2.95	35.4	34.0
FACPQ4228-330M	33.0	2.80	2.95	24.7	34.0
FACPQ4228-470M	47.0	2.80	2.95	17.6	34.0
FACPQ4228-680M	68.0	2.80	2.95	12.2	34.0
FACPQ4228-101M	100	2.80	2.95	7.80	34.0
FACPQ4228-151M	150	2.80	2.95	4.96	34.0
FACPQ4228-221M	220	10.5	11.5	7.20	17.5
FACPQ4228-331M	330	10.5	11.5	4.70	17.5
FACPQ4228-471M	470	10.5	11.5	3.20	17.5

TEST CONDITIONS

1. All data is tested based on 25℃ ambient temperature.
2. Inductance measure condition at 100kHz, 0.1V.
3. Saturation current : the actual value of DC current when the inductance decrease 20% of its initial value.
4. Temperature rise current : the actual value of DC current when the temperature rise is △T40 (Ta=25℃).
5. Special remind : Circuit design, component placement, PWB size and thickness, cooling system and etc. all will affect the product temperature. Please verify the product temperature in the final application.

TECHNICAL INFORMATION



ELECTRICAL SCHEMATIC & PAD LAYOUT

Part No.	6R8-151	221-471
Dimension A	1.50	0.80
Dimension B	2.30	1.40

DIMENSIONS:MM

Part number	A	B	C	D	E	F	G	H	I	J	K
FACPQ4228	35.8±1.0	42.0±1.0	28.0±1.0	3.8±0.5	6.5±0.5	5.0±1.0	0.5±0.1	35.0±0.5	22.5±0.5	18.5±0.5	**A±0.3
Part number	**L**	**M**	**N**	**D**	**P**	**Q**	**R**	**S**	**T**		
FACPQ4228	36.8 REF	18.5 REF	43.0 REF	35.0 REF	22.5 REF	4.8 REF	**B REF	1.0 REF	7.5 REF		

HIGH CURRENT POWER INDUCTOR FACPFL3020 SERIES

FEATURES:

Assemblage design, sturdy structure.
High inductance, high current, low magnetic loss,
low ESR, small parasitic capacitance .
Litz wire winding, effectively reduceskin effect.
Temperature rise current and saturation current is less influenced by environment.
Operating temperature: -40℃ ~ +125℃
(ncluding coilís temperature rise).

PRODUCT IDENTIFICATION:

CPFL 3020 - 100 M
a b c d

a:Series name
b:Product dimensions
c:Inductance Value(1R0:1.0uH;100;10uH;101:100uH)
d:Inducatance Tolerance(K:10%;M:20%;N:30%)

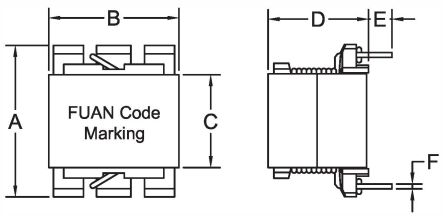
ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH)±20%	D.C.Resistor(mΩ)		Saturation Current (A)Typical	Temperature Current (A)Typical
		Typical	Max		
FACPFL3020-100M	10.0	7.70	9.30	39.0	19.0
FACPFL3020-120M	12.0	8.60	10.4	35.0	18.0
FACPFL3020-150M	15.0	9.70	11.7	31.0	17.0
FACPFL3020-220M	22.0	20.7	24.9	27.0	13.0
FACPFL3020-270M	27.0	21.8	26.2	23.5	12.5
FACPFL3020-330M	33.0	25.1	30.2	21.0	12.0
FACPFL3020-470M	47.0	31.9	38.3	18.0	11.0
FACPFL3020-560M	56.0	35.8	42.3	16.0	10.0

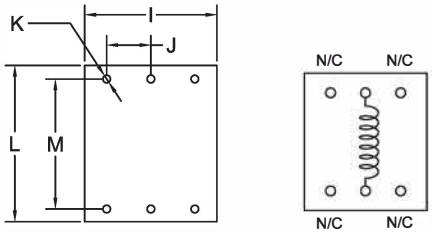
TEST CONDITIONS

1. All data is tested based on 25℃ ambient temperature.
2. Inductance measure condition at 100kHz, 0.1V.
3. Saturation current : the actual value of DC current when the inductance decrease 30% of its initial value.
4. Temperature rise current : the actual value of DC current when the temperature rise is △T50(Ta=25℃).
5. Special remind : Circuit design, component placement, PWB size and thickness, cooling system and etc. all will affect the product temperature. Pleaseverify the product temperature in the final application.

TECHNICAL INFORMATION



ELECTRICAL SCHEMATIC & PAD LAYOUT



DIMENSIONS:MM

Part number	A	B	C	D	E	F	G	H	I	J	K
FACPFL3020	32.0 Max	26.7±0.5	19.0±0.5	20.5±0.5	5.0±0.5	1.0±0.2	9.1±0.5	26.6±1.0	27.2 REF	9.1 REF	1.5 REF
Part number	**L**	**M**									
FACPFL3020	32.0 REF	26.6 REF									

HIGH CURRENT POWER INDUCTOR FACPFS6560 SERIES

FEATURES:

Assemblage design, sturdy structure.
High inductance, high current, low magnetic loss,
low ESR, small parasitic capacitance.
Flat wire winding, achieve a low D.C. Resistance.
Temperature rise current and saturation current
is less influenced by environment.
Operating temperature: -40℃~+125℃
(Including coilís temperature rise).

PRODUCT IDENTIFICATION:

CPFS 6560 - 301 M
a b c d

a:Series name
b:Product dimensions
c:Inductance Value(1R0:1.0uH;100;10uH;101:100uH)
d:Inducatance Tolerance(K:10%;M:20%;N:30%)

ELECTRICAL CHARACTERISTICS

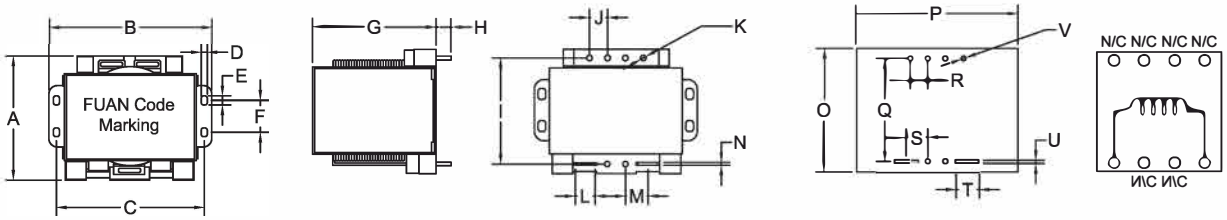
Part Number	Inductance (uH)±20%	D.C.Resistor(mΩ)		Saturation Current (A)Typical	Temperature Current (A)Typical
		Typical	Max		
FACPFS6560-301M	300	9.66	11.6	27.0	25.0

TEST CONDITIONS

1. All data is tested based on 25℃ ambient temperature.
2. Inductance measure condition at 100kHz, 0.1V.
3. Saturation current : the actual value of DC current when the inductance decrease 30% of its initial value.
4. Temperature rise current : the actual value of DC current when the temperature rise is △T50 (Ta=25℃).
5. Special remind : Circuit design, component placement, PWB size and thickness, cooling system and etc.
   all will affect the product temperature. Please verify the product temperature in the final application.

TECHNICAL INFORMATION

ELECTRICAL SCHEMATIC & PAD LAYOUT



DIMENSIONS:MM

Part number	A	B	C	D	E	F	G	H	I	J	K
FACPFS6560	63.0±1.0	83.0±1.0	75.0±1.0	3.0 REF	4.3 REF	16.0±0.5	62.4±1.0	7.0±0.5	53.6±1.0	9.1±0.5	2.0±0.3
Part number	**L**	**M**	**N**	**O**	**P**	**Q**	**R**	**S**	**T**	**U**	**V**
FACPFS6560	10.0±0.5	11.3±0.3	1.0±0.3	64.0 REF	84.0 REF	53.6 REF	9.1 REF	11.3 REF	12.0 REF	1.8 REF	3.0 REF