

# CHIP COMMON MODE CHOKES FASCCM0608,1210CE SERIES



## FEATURES :

Powerful components with composite co-fired material to solve EMI problem for high speed differential signal transmission line as USB, and LVDS without distortion to high speed signal transmission

## APPLICATIONS:

MIPI, MHL serial interface in mobile device

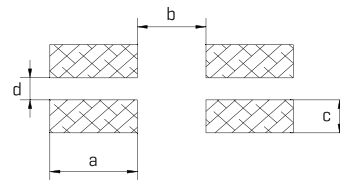
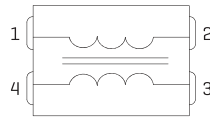
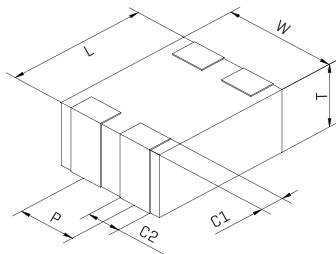
## GENERAL SPECIFICATIONS:

Rated current:0.13A to 0.16A  
Parameters Test Temp:25°C  
Test Frequency:100MHz  
Operating temperature:-20°C to +85°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 [ohm]±25%	D.C.R [ohm]Max at 25°C	Rated current [mA]Max	Rated Voltage [V]	Withstand Voltage [V]	Part Number	Impedance [ohm]±25% Common Mode	D.C.R [ohm]Max at 25°C	Rated current [mA]Max	Rated Voltage [V]	Impedance [ohm]Max Differential Mode
FASCCM0608-650	65	2.5	130	5.0	25	FASCCM1210CE-900	90	1.75	160	5.0	15
FASCCM0608-900	90	2.5	130	5.0	25	FASCCM1210CE-121	120	2.20	140	5.0	18
						FASCCM1210CE-201	200	2.70	130	5.0	20

## TECHNICAL INFORMATION:



## PAD LAYOUT:

### DIMENSIONS:MM

Part number	L	W	T	P	C1	C2	a	b	c	d
FASCCM0608	0.65±0.05	0.85±0.05	0.45±0.05	0.50±0.1	0.10 Min	0.27±0.1	0.30 REF	0.30 REF	0.30 REF	0.20 REF
FASCCM1210CE	1.25±0.2	1.00±0.2	0.50±0.2	0.55±0.2	0.20±0.15	0.30±0.2	0.70 REF	0.55 REF	0.30 REF	0.20 REF

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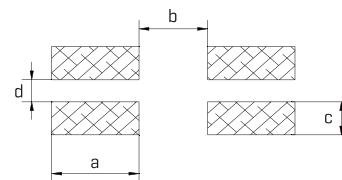
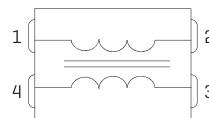
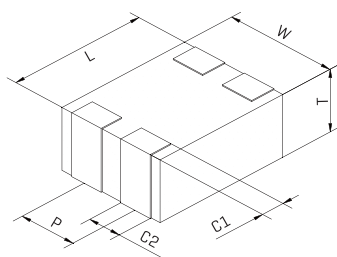
## GENERAL SPECIFICATIONS:

Rated current:0.13A to 0.16A  
Parameters Test Temp:25°C  
Test Frequency:100MHz  
Operating temperature:-20°C to +85°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 [ohm]±25%	D.C.R [ohm]Max at 25°C	Rated current [mA]Max	Rated Voltage [V]	Withstand Voltage [V]	Part Number	Impedance [ohm]±25% Common Mode	D.C.R [ohm]Max at 25°C	Rated current [mA]Max	Rated Voltage [V]	Impedance [ohm]Max Differential Mode
FASCCM0608-650	65	2.5	130	5.0	25	FASCCM1210CE-900	90	1.75	160	5.0	15
FASCCM0608-900	90	2.5	130	5.0	25	FASCCM1210CE-121	120	2.20	140	5.0	18
						FASCCM1210CE-201	200	2.70	130	5.0	20

## TECHNICAL INFORMATION:



## PAD LAYOUT:

### DIMENSIONS:MM

Part number	L	W	T	P	C1	C2	a	b	c	d
FASCCM0608	0.65±0.05	0.85±0.05	0.45±0.05	0.50±0.1	0.10 Min	0.27±0.1	0.30 REF	0.30 REF	0.30 REF	0.20 REF
FASCCM1210CE	1.25±0.2	1.00±0.2	0.50±0.2	0.55±0.2	0.20±0.15	0.30±0.2	0.70 REF	0.55 REF	0.30 REF	0.20 REF

# CHIP COMMON MODE CHOKES FASCCM2012,2012HS SERIES



## FEATURES :

Powerful components with composite co-fired material to solve EMI problem for high speed differential signal transmission line as USB, and LVDS without distortion to high speed signal transmission

## APPLICATIONS:

MIPI, MHL serial interface in mobile device

## GENERAL SPECIFICATIONS:

Rated current:0.1A to 0.5A  
Parameters Test Temp:25°C  
Test Frequency:100MHz  
Operating temperature:-20°C to +85°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 [ohm]±25%	D.C.R [ohm]Max at 25°C	Rated current [mA]Max	Rated Voltage [V]	Withstand Voltage [V]	Part Number	Impedance [ohm]±25% Common Mode	D.C.R [ohm]Max at 25°C	Rated current [mA]Max	Rated Voltage [V]	Impedance [ohm]Max Differential Mode
FASCCM2012-670	67	0.40	400	10	200	FASCCM2012HSH-670A	67	1.0	200	10	100
FASCCM2012-900	90	0.40	400	10	200	FASCCM2012HSH-900A	90	1.0	200	10	100
FASCCM2012-121	120	0.40	400	10	200	FASCCM2012HSD-500A	50	1.0	100	10	100
FASCCM2012-161	160	0.50	400	10	200	FASCCM2012HSD-900A	90	1.0	200	10	100
FASCCM2012-181	180	0.50	400	10	200	FASCCM2012HSD-121A	120	1.2	100	10	100
FASCCM2012-221	220	0.50	300	10	200	FASCCM2012HSS-500A	50	1.0	100	10	100

## TECHNICAL INFORMATION AND PAD LAYOUT:

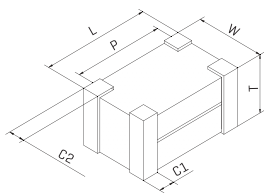


FIG1.

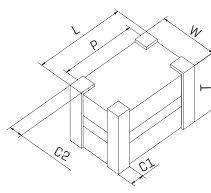
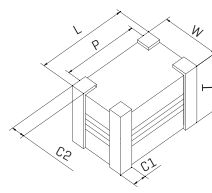
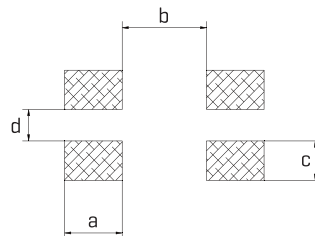
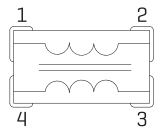


FIG2.



FASCCM2012HSS-500A FIG2.



### DIMENSIONS:MM

Part number	L	W	T	P	C1	C2	a	b	c	d	FIG
FASCCM2012	2.00±0.2	1.25±0.2	1.00±0.1	1.60±0.2	0.40±0.2	0.30±0.2	0.75 REF	1.10 REF	0.50 REF	0.40 REF	1
FASCCM2012HS	2.00±0.2	1.20±0.2	1.00±0.2	1.60±0.2	0.40±0.2	0.30±0.2	0.75 REF	1.10 REF	0.50 REF	0.4 REF	2

## CHIP COMMON MODE CHOKES FASCCM3216 SERIES



### FEATURES:

Powerful components with composite co-fired material to solve EMI problem for high speed differential signal transmission line as USB, and LVDS without distortion to high speed signal transmission

### APPLICATIONS:

MIPI, MHL serial interface in mobile device

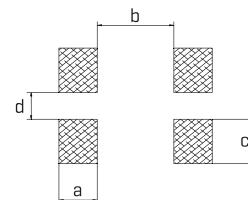
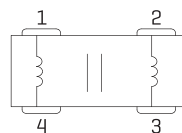
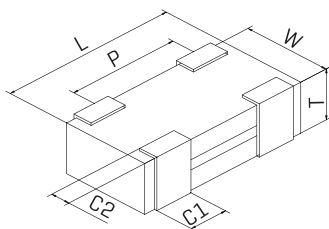
### GENERAL SPECIFICATIONS:

Rated current:0.5A  
Parameters Test Temp:25°C  
Test Frequency:100MHz  
Operating temperature:-20°C to +85°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 [ohm]±25%	D.C.R [ohm]Max at 25°C	Rated current [mA]Max	Rated Voltage [V]	Withstand Voltage [V]	Insulation Resistance [Mohm]Min
FASCCM3216-900	90	0.50	500	10	25	200
FASCCM3216-121	120	0.50	500	10	25	200

### TECHNICAL INFORMATION AND PAD LAYOUT:



#### DIMENSIONS:MM

Part number	L	W	T	P	C1	C2	a	b	c	d
FASCCM3216	3.20±0.2	1.60±0.2	1.00±0.1	2.10±0.2	0.70±0.2	0.30±0.2	0.70 REF	1.40 REF	1.00 REF	0.60 REF