

## SMD COMMON MODE CHOKES FASCMT0905 SERIES



### FEATURES:

High rated currents, reduced components height  
Wire wound construction common mode choke with best EMI suppression effect  
high impedance

### APPLICATIONS:

Preventive measure against common mode noise radiation emissions from power line or else Best for high current circuit such as car, wireless charging and power device design.  
Industrial applications

### GENERAL SPECIFICATIONS:

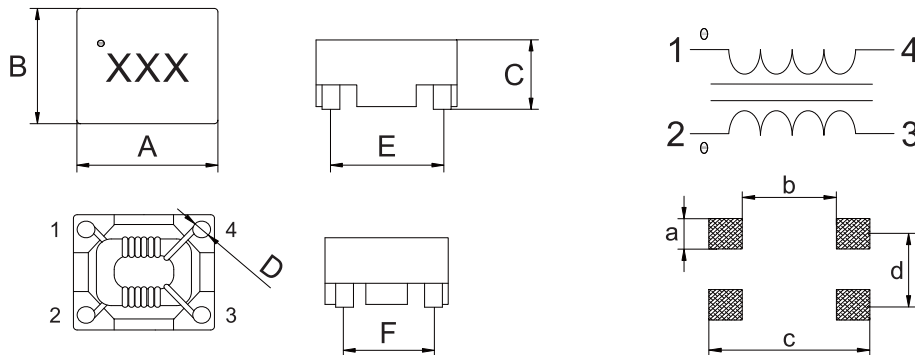
Rated current 1.4A to 5.0A.  
Inductance: 5.0uH to 30uH.  
Turns ratio: N1:N2=1:1 ± 2%.  
Inductance tolerance: Typ at 20°C.  
Operating temperature: -25°C to +105°C.  
Storage Temp: -0°C to +40°C.  
Resistance to Soldering Heat: 260°C for 10 sec.  
Temperature Rise: 40°C Typ. at Rated Current.  
All parts meet ROHS compliance.

### ELECTRICAL CHARACTERISTICS

Part Number	Impedance [ $\Omega$ ]Min	Inductance [ $\mu$ H]Typ 100KHz/100mV	Rated current [A]	D.C. Resistor [ $m\Omega$ ] Max at 20°C	Test Frequency
FASCMT0905-501	500	5.0	5.0	7.5	100MHz
FASCMT0905-801	800	9.0	3.5	15.0	100MHz
FASCMT0905-102	1000	11.0	2.5	35.0	100MHz
FASCMT0905-152	1500	18.0	2.0	50.0	100MHz
FASCMT0905-222	2200	30.0	1.4	60.0	100MHz

### TECHNICAL INFORMATION

### ELECTRICAL SCHEMATIC & PAD LAYOUT



### DIMENSIONS:MM

Part number	A	B	C	D	E	F	a	b	c	d
FASCMT0905	9.80 Max	8.60 Max	5.30 Max	1.20 REF	7.50±0.3	6.30±0.3	2.70 REF	4.90 REF	10.3 REF	6.30 REF