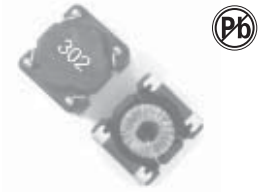


SMD COMMON MODE CHOKES FASCM1006C SERIES



FEATURES:

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

APPLICATIONS:

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

GENERAL SPECIFICATIONS:

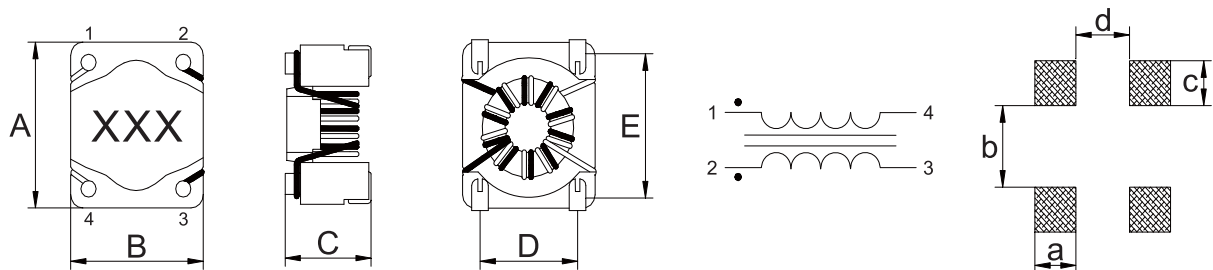
Rated current: 0.25A to 1.4A.
Inductance: 0.12mH to 5.0mH.
Turns ratio: $N1:N2=1:1\pm 2\%$.
Inductance tolerance: $\pm 40\%$ at 20°C.
Operating temperature: -25°C to +125°C.
Storage Temp: -0°C to +40°C.
Resistance to Soldering Heat: 260°C for 10 sec.
Temperature Rise: 40°C Typ. at Rated Current.
All parts meet ROHS compliance.

ELECTRICAL CHARACTERISTICS

Part Number	Impedance [Ω]Min	Inductance [μ H] $\pm 40\%$ 100KHz/100mV	Rated current [A]	D.C. Resistor [$m\Omega$] Max at 20°C	Test Frequency
FASCM1006C-121	200	120	1.40	25	10~200MHz
FASCM1006C-251	400	250	1.25	30	5~100MHz
FASCM1006C-501	800	500	0.90	60	2~50MHz
FASCM1006C-102	1400	1000	0.50	180	1~40MHz
FASCM1006C-202	2000	2000	0.45	250	0.5~15MHz
FASCM1006C-302	3000	3000	0.40	300	0.5~10MHz
FASCM1006C-402	4000	4000	0.30	580	0.5~5MHz
FASCM1006C-502	5000	5000	0.25	630	0.5~3MHz

TECHNICAL INFORMATION

ELECTRICAL SCHEMATIC & PAD LAYOUT



DIMENSIONS:MM

Part number	A	B	C	D	E	a	b	c	d
FASCM1006C	10.0 \pm 0.3	8.70 \pm 0.3	6.5 Max	6.22 \pm 0.3	7.62 \pm 0.3	2.70 REF	4.92 REF	2.70 REF	3.52 REF