



SMD Common Mode Filters ~ SMM1006B Series

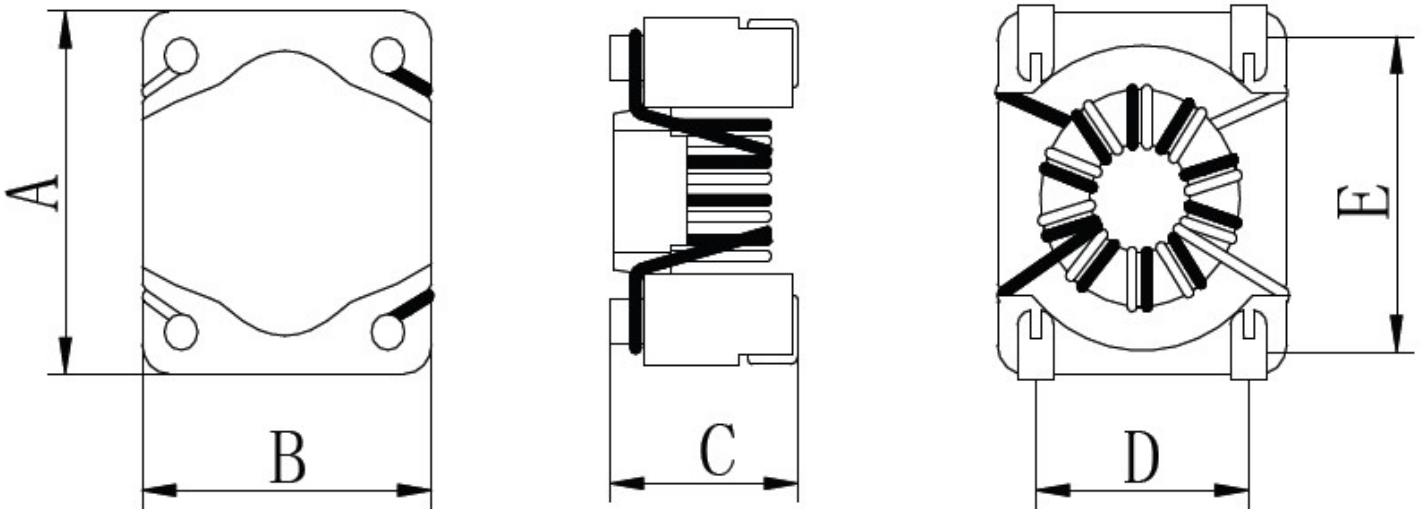


PART NUMBERING SYSTEM

SMM	1006B	—	121	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

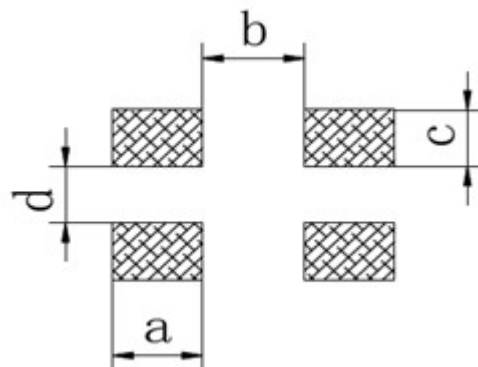
SHAPES AND DIMENSIONS

UNIT : mm



A=10.0±0.5 B=8.7±0.5 C=6.5 Max. D=6.2±0.5 E= 7.7±0.5

RECOMMENDED LAND PATTERN



a= 2.70 b= 4.92 c= 2.70 d= 3.52



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FEATURES

- Chip common mode filter for large current applications
For each series, there is excellent common mode impedance and noise suppression in a compact case.
- Compatible with high-density portable devices, which are always being made smaller and lighter, because the height has been reduced .

APPLICATION

- Power line noise countermeasure for various electronic equipment .
- Noise countermeasure for adapter lines and battery lines or larger electronic equipment such as note book PCs and word processors .

SPECIFICATION TABLE

PART NUMBER	L (uH) ±40%	Impedance (Ω) Min.	DCR (mΩ) Max.	Rated Current (A) Max.
SMM1006B-121-LF	120	200	25.00	1.40
SMM1006B-251-LF	250	400	30.00	1.25
SMM1006B-501-LF	500	800	60.00	0.90
SMM1006B-102-LF	1000	1400	180.0	0.50
SMM1006B-202-LF	2000	2000	250.0	0.45
SMM1006B-302-LF	3000	3000	300.0	0.40
SMM1006B-402-LF	4000	4000	580.0	0.30
SMM1006B-502-LF	5000	5000	630.0	0.25

- Test Freq. : 100KHz / 0.1V.
- Operating Temperature Range : -40°C ~ +125°C