



SF1306 SERIES

SMD Line Filter

FEATURES

- Low profile very effective in space conscious applications
- Low resistance filters have been designed for excellent electrical isolation
- High quality toroidal core
- Wide frequency range over 1000MHz
- Lead free construction

OPTIONS

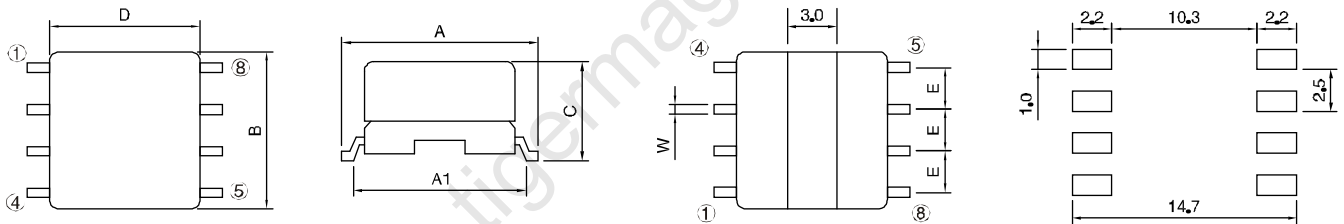
- Tape & Reel is Standard (Qty:600pcs)
- Bulk packaging Available

APPLICATIONS

- Provide common mode noise attenuation
- Reduce conducted noise
- For the suppression of EMI in data lines and signal lines, e.g., CAN Bus

Part Number	Inductance (μH)		DC Resistance N1,N2 (Ohm)	Rated Current (A)	Impedance (Ohm)	Freq. Range (MHz)	Fig
	L1,L2	L1-L2					
SF1306	L1,L2	L1-L2					
350YA	35 ± 35%	4 max.	0.035 max	2.70max	400min	5.0-250	B
600YA	60 ± 35%	5 max.	0.065max	2.00max	600min	5.0-100	B
101YA	100 ± 35%	15 max.	0.100max	0.70max	300min	1.0-50	A
251YA	250 ± 35%	25 max.	0.150max	0.60max	600min	1.0-40	A
501YA	500 ± 35%	35 max.	0.300max	0.40max	1200min	1.0-40	A
102YA	1000 ± 35%	45 max.	0.400max	0.35max	2200min	0.5-10	A
501YA	500 ± 35%	35 max.	0.300max	0.40max	1200min	1.0-40	A
102YA	1000 ± 35%	45 max.	0.400max	0.35max	2200min	0.5-10	A

Dimensions(mm)

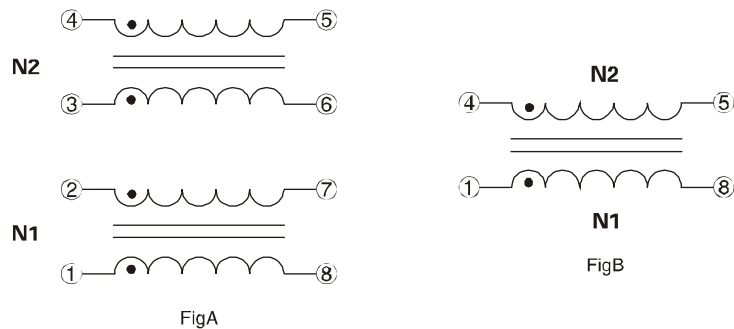


• Materials:

1. Core: Ferrite Toroidal Core
2. Wire: Enamelled Copper Wire
3. Base: LCP
4. Terminal: Tinned Copper Plate
5. Adhesive: Epoxy Resin (0904)
6. Case: LCP

• General Specification:

1. Storage Temperature: -25°C – +85°C
2. Operating Temperature: -20°C – +80°C
3. Resistance to solder heat: 260°C, 10 secs.



Series	A	A1	B	C	D	E	W
SF1306	12.7 ± 0.80	11.00 ± 0.50	10.50max	5.75 ± 0.30	9.50 ± 0.20	2.50 ± 0.20	0.70 ± 0.10