



# SMD LINE FILTER

## SF1306 SERIES

### 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 for Smaller Quantities

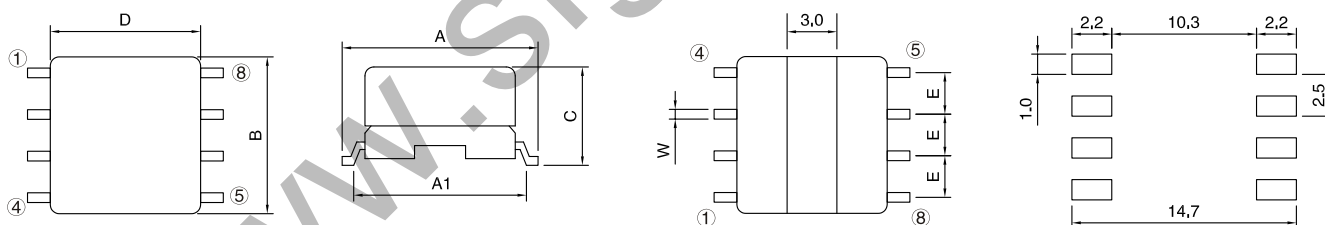
### COMMON APPLICATIONS:

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

### ELECTRICAL CHARACTERISTICS:

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

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

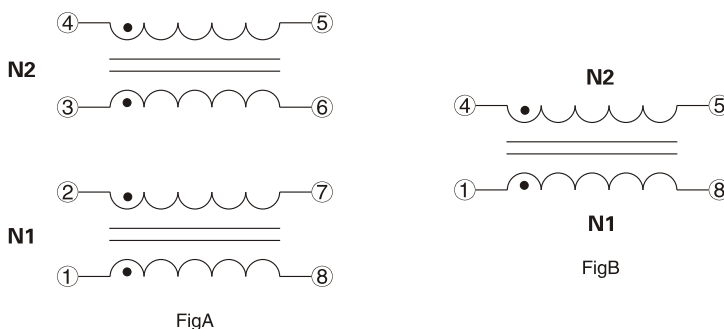


#### Materials:

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.



#### Dimensions(mm)

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

Note: All specifications subject to change without notice.