



## SMD LINE FILTER SF0904 SERIES

### FEATURES:

- Low profile very effective in space conscious applications
- Low resistance filters have been designed for excellent electrical isolation
- High quality toroidal core
- Lead free construction
- RoHS-compatible

### OPTIONS:

- Tape & Reel is Standard
- Bulk packaging Available for Smaller Quantities

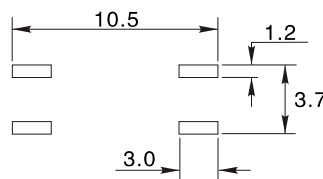
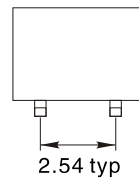
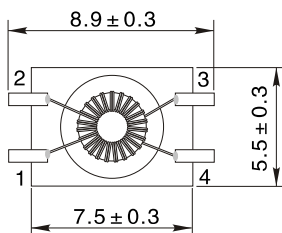
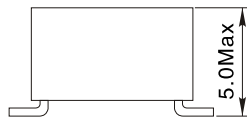
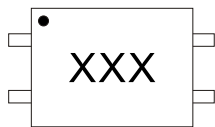
### COMMON APPLCATIONS:

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

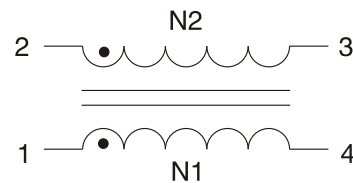
### ELECTRICAL CHARACTERISTICS:

Part Number	L(1-4)(uH ) ≤ 1mH@100KHz >1mH@10KHz +50%/-30%	LK(1-4)(nH ) ≤ 11uH@1MHz >11uH@100KHz (2-3 short)max.	DCR (winding) (mΩ) max.	Rated Current (mA) max.	Hi-Pot Vdc,2S
SF0904-110Y	11.0	50	80	500	250
SF0904-250Y	25.0	60	110	500	250
SF0904-510Y	51.0	70	140	500	250
SF0904-471Y	470	100	170	500	250
SF0904-102Y	1000	100	170	500	250
SF0904-222Y	2200	200	400	400	250
SF0904-472Y	4700	300	510	200	250

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:



Suggest PCB Layout



#### • Materials:

1. Core: Ferrite Toroidal Core
2. Wire: Enamelled Copper Wire(Class F)
3. Case: PPHS (UL940V-0)
4. Terminal: Cu / Ni / Sn
5. Adhesive: Epoxy Resin

#### • General Specification:

1. Storage Temperature: - 40°C - + 125°C
2. Operation Temperature: - 40°C - + 85°C
3. Temperature Rise Included: 40°C max at Rated Current
4. Resistance to solder heat: 260°C, 10 secs.

#### Note:

All specifications subject to change without notice.