

# SMD LINE FILTER

## STR0903 SERIES

### FEATURES:

- Approx. 0.8% stray inductance for differential-mode interference suppression
- Suitable for reflow soldering
- Design complies with EN 60938-2 (VDE 0565-2)
- RoHS-compatible

### OPTIONS:

- Tape & Reel is Standard (Qty:350pcs)
- Bulk packaging Available for Smaller Quantities

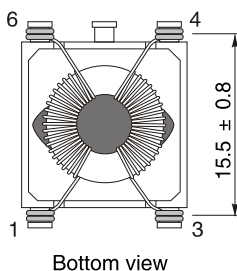
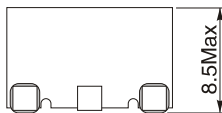
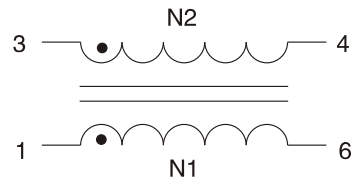
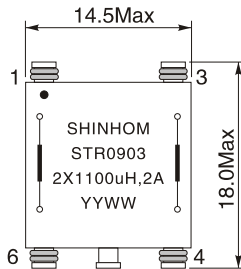
### COMMON APPLICATIONS:

- Suppression of common-mode interferences
- Compact electronic ballasts in lamps
- Compact switch-mode power supplies

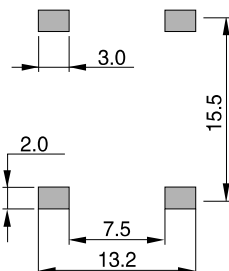
## ELECTRICAL CHARACTERISTICS:

Part Number	L(1-6)(mH ) @ 10KHz,0.1V +50%/-30%	LK(1-6)(uH ) @ 10KHz,0.1V (4-5 short)max.	DCR (winding) (mΩ) max.	Rated Current (A) max.	Hi-Pot Vac,2S
STR0903-112Y	1.1	6	65	2.0	1500
STR0903-162Y	1.6	10	110	1.5	1500
STR0903-302Y	3.0	20	220	1.0	1500
STR0903-442Y	4.4	30	400	0.6	1500
STR0903-123Y	12	80	1100	0.3	1500
STR0903-223Y	22	130	1500	0.3	1500

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:



### Layout recommendation



- Operating voltage: 250Vac
  - IDC Max:Determined when superimposed
  - Inductance test: HP4284A 10KHz 0.1V
  - RDC:QuadTech 1880 Milliohmmer
  - Operating temperature: -40°C to +105°C
  - Storage Temperature: -40°C to +105°C
  - Temperature rise 40°C Max
  - Solder methods: Vapor Phase, Infrared Reflow
  - Resistance to soldering heat:260°C for 10 seconds
  - Solvent resistance: Conforms to MIL-STD-202E
  - Marking: Inductance & Date
- Note:All specifications subject to change without notice.