

# COMMON MODE CHOKES STC06 SERIES

### FEATURES:

- Inductance range from 0.075mH to 12mH
- Current range up to 9.8 Amps
- High resonant frequency
- Meets UL94V-0 flammability standard
- Ferrite core material

### OPTIONS:

- Packaging: Tape & Reel is standard  
Bulk packaging available for smaller quantities

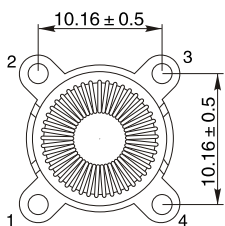
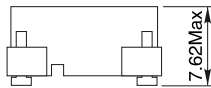
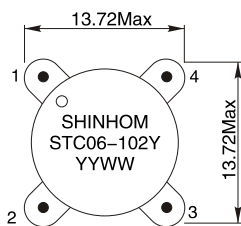
### COMMON APPLICATIONS:

- EMI filters
- DC-DC brick power supplies
- Discrete output supplies
- Discrete and point-of-use power supplies

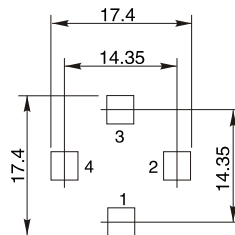
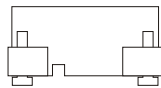
## ELECTRICAL CHARACTERISTICS:

Part Number	L(0A) (mH) ± 25% 10KHz,0.1V	Leakage inductance (uH)Max	DCR (Ω)Max	Irms (A) ΔT=20°C	Irms (A) ΔT=40°C
STC06-101Y	0.1	0.8	0.006	6.95	9.80
STC06-151Y	0.15	1.1	0.010	5.75	8.20
STC06-221Y	0.22	1.5	0.012	4.50	6.60
STC06-331Y	0.33	2.1	0.017	4.25	6.40
STC06-501Y	0.5	2.6	0.024	3.70	5.30
STC06-751Y	0.75	3.8	0.035	3.00	4.40
STC06-102Y	1.0	4.6	0.049	2.70	4.05
STC06-122Y	1.2	5.5	0.068	2.25	3.45
STC06-182Y	1.8	8.0	0.106	1.70	2.50
STC06-222Y	2.2	10.5	0.150	1.45	2.25
STC06-332Y	3.3	17.0	0.210	1.10	2.00
STC06-502Y	5.0	27.0	0.320	0.90	1.35
STC06-752Y	7.5	42.0	0.640	0.80	1.10
STC06-103Y	10.0	55.0	0.900	0.70	0.95
STC06-123Y	12.0	70.0	1.700	0.50	0.65

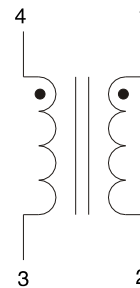
## PHYSICAL CHARACTERISTICS



Bottom view



Recommended layout



### NOTES:

1. Inductance tested at 10KHz,0.1V
2. DCR Measured at 25°C
3. Rated voltage: 1500V for 2Seconds between windings
4. Irms current: Current applied to one winding resulting in A  
Temperature rise of 20°C or 40°C at an ambient temperature of 25°C
5. Electrical specifications measured at 25°C
6. Operating temperature: -40°C to +105°C
7. Storage temperature: -55°C to +130°C