



COMMON MODE CHOKES STC09 SERIES

FEATURES:

- Inductance range from 25uH to 2500uH
- Current range up to 10.0 Amps
- Noise attenuation up to 44 dB
- Frequency range up to 100 MHz
- Meets UL94V-0 flammability standard
- Ferrite core material

OPTIONS:

- Supplied in tape and reel packaging

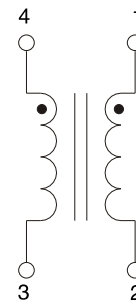
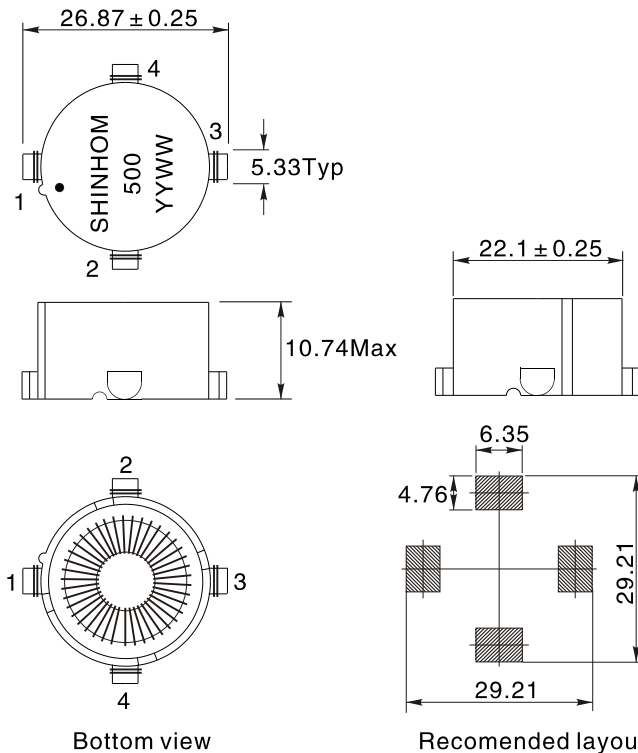
COMMON APPLICATIONS:

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

ELECTRICAL CHARACTERISTICS:

Part Number	L(0A) (uH) ± 25% 1.0KHz,0.1V	Lk (uH) Typ 100KHz,0.1V	DCR (Ω)Max	IDC (A)Max
STC09-250Y	25	0.7	0.014	10.0
STC09-500Y	50	0.8	0.014	10.0
STC09-101Y	100	1.4	0.016	9.5
STC09-151Y	150	1.8	0.016	9.5
STC09-201Y	200	2.2	0.016	8.5
STC09-301Y	300	3.3	0.020	7.5
STC09-451Y	450	4.6	0.024	6.5
STC09-651Y	650	6.2	0.030	5.5
STC09-102Y	1000	9.3	0.050	3.5
STC09-152Y	1500	14.5	0.090	2.5
STC09-252Y	2500	21.8	0.162	2.2

PHYSICAL CHARACTERISTICS



NOTES:

1. Temperature Rise ...35°C typical at Irms Operating Temperature-55°C to +125°C Storage Temperature
2. Storage Temperature-55°C to +125°C Soldering245°C, 5 seconds max. Dielectric Strength500 Vrms between windings
3. Core Ferrite
4. Wire Polyester-coated copper
5. Terminal Coating Sn-Ag-Cu alloy