



COMMON MODE CHOKES STC08 SERIES

FEATURES:

- Inductance range from 0.2mH to 20mH
- Current range up to 7.0 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

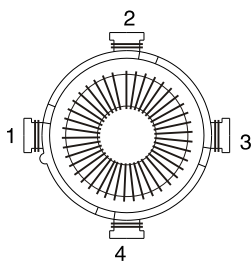
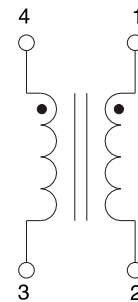
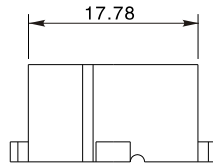
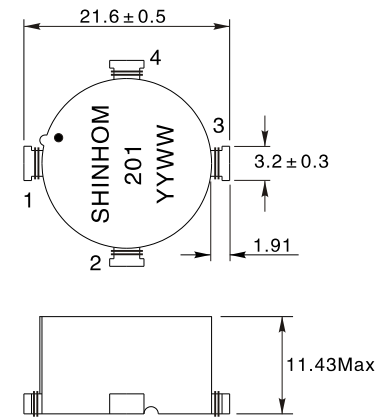
COMMON APPLICATIONS:

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

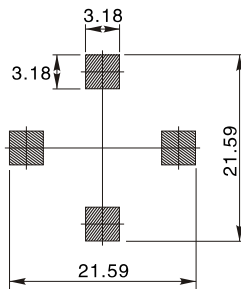
ELECTRICAL CHARACTERISTICS:

Part Number	L(0A) (uH) Min 1.0KHz,0.1V	Lk (uH) Typ 100KHz,0.1V	DCR (Ω)Max	IDC (A)Max	Typ Frequency range with 20dB Atten
STC08-201Y	200	1.6	0.008	7.0	5-55MHz
STC08-501Y	500	2.2	0.010	6.0	4-40MHz
STC08-751Y	750	2.9	0.012	5.5	1-20MHz
STC08-102Y	1000	3.9	0.020	4.0	500KHz-40MHz
STC08-202Y	2000	0.3	0.030	3.5	300KHz-20MHz
STC08-502Y	5000	0.4	0.070	2.0	100KHz-10MHz
STC08-103Y	10000	0.5	0.150	1.5	50KHz-5MHz
STC08-203Y	20000	0.7	0.250	1.0	25KHz-4MHz

PHYSICAL CHARACTERISTICS



Bottom view



Recommended layout

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