

COMMON MODE CHOKES STC05F SERIES

FEATURES:

- Inductance range from 25uH to 1600uH
- Current range up to 5.35 Amps
- Noise attenuation up to 5.4 dB
- Meets UL94V-0 flammability standard
- Ferrite core material

OPTIONS:

- Supplied in tape and reel packaging

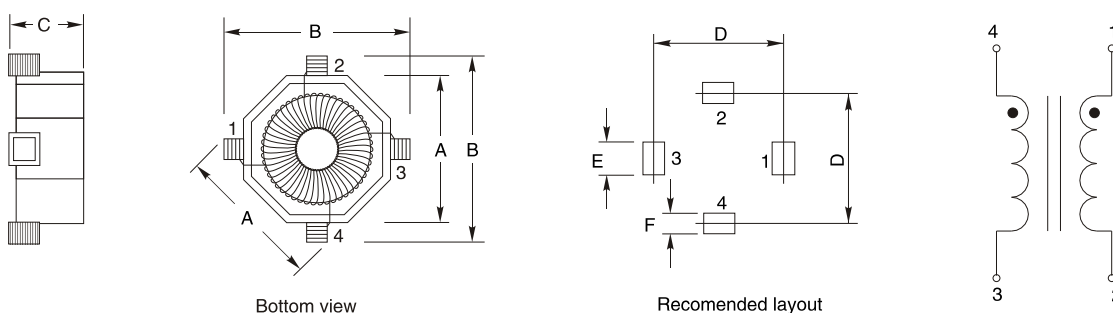
COMMON APPLICATIONS:

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

ELECTRICAL CHARACTERISTICS:

Part Number	L(0A) (uH) ± 30% 100KHz,0.1V	I _{rms} (A)Max	DCR (mΩ)Typ (1-2)	DCR (mΩ)Typ (4-3)	L _k (uH) Typ 100KHz,0.1V	Interwinding Capacitance (pF)
STC05F-250Y	25.0	5.35	3.10	3.10	0.22	2.00
STC05F-400Y	40.0	4.40	3.89	3.89	0.34	2.30
STC05F-700Y	70.0	3.60	5.35	5.35	0.47	2.50
STC05F-950Y	95.0	2.80	7.97	7.97	0.80	2.80
STC05F-151Y	150.0	2.30	16.85	16.85	1.25	3.10
STC05F-271Y	275.0	1.85	34.53	34.53	1.75	3.40
STC05F-321Y	320.0	1.60	39.72	39.72	2.00	3.60
STC05F-401Y	400.0	1.35	42.73	42.73	2.60	3.90
STC05F-501Y	500.0	1.10	57.43	57.43	3.30	4.10
STC05F-621Y	620.0	0.94	73.72	73.72	4.00	4.30
STC05F-751Y	750.0	0.80	98.34	98.34	5.00	4.60
STC05F-112Y	1100.0	0.67	161.2	161.2	6.30	4.90
STC05F-132Y	1300.0	0.58	245.5	245.5	7.30	5.10
STC05F-162Y	1600.0	0.50	350.5	350.5	9.00	5.40

PHYSICAL CHARACTERISTICS



NOTES:

- Inductance measure at 100KHz 0.1VRms.
- Insulation Resistance: 100Vdc 1KMΩ min.
- Dielectric Strength: 500 Vrms between windings
- Turns Ratio: 1:1
- RDC:QuadTech 1880 Milliohmeter
- Soldering temperature:260°C for 4 ± 1 seconds
- Operating temperature:-40°C to +125°C
- Storage Temperature: -40°C to +125°C

A	B	C	D	E	F
8.8	11.8Max	5.2Max	9.9	3.5	3.0