

# SURFACE-MOUNT TOROID CHOKES

## STR44-50 SERIES

### FEATURES:

- Higher Frequency
- High Saturation Material
- Low EMI Radiation
- Pick and Place
- Low DC Resistance

### OPTIONS:

- Packaging: Tape & Reel is standard (Qty:2000pcs)
- Bulk packaging available for smaller quantities
- Tolerance: 10% and 5% is standard, tighter tolerances available

### COMMON APPLICATIONS:

- Electronic Appliances
- DC - DC Conversion (Parallel Mode)
- Isolation/Coupling (Transformer)
- Input Filter (Serial Mode)
- EMI/RFI Suppression

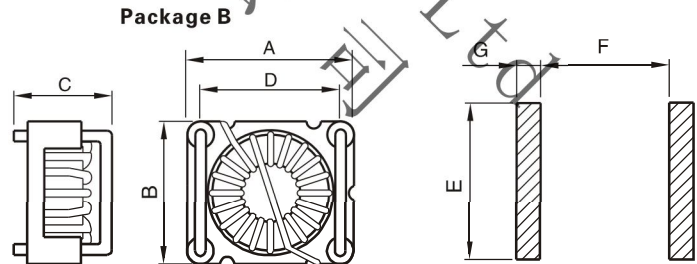
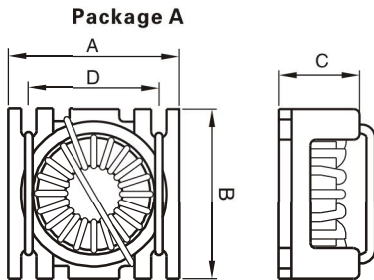
### ELECTRICAL CHARACTERISTICS:

Part Number	L $\mu$ H 100KHz	SRF MHz TYP	DCR m $\Omega$ Max	IDC A Max	Part Number	L $\mu$ H 100KHz	SRF MHz TYP	DCR m $\Omega$ Max	IDC A Max
STR44-8/90-5R6M	5.6	65	16.2	11.0	STR50-8/90-100M	10	35	19.7	9.0
STR44-8/90-100M	10.0	49	23.6	9.0	STR50-8/90-150M	15	27	32	7.5
STR44-8/90-150M	15.0	25	39.0	7.4	STR50-8/90-470M	47	7.0	133	4.3
STR44-8/90-270M	27.0	12	85.0	5.4	STR50-8/90-101M	100	3.8	220	2.9
STR44-8/90-681M	680	1.4	1908	1.0	STR50-8/90-152M	1500	0.72	1932	0.76
STR44-18-7R9M	7.9	49	16.2	6.6	STR50-18-160M	16	24	19.7	5.4
STR44-18-140M	14.0	33	23.6	5.2	STR50-18-260M	26	11	32	4.3
STR44-18-220M	22.0	23	39.0	4.1	STR50-18-730M	73	4.5	133	2.5
STR44-18-410M	41.0	9.5	85.0	3.0	STR50-18-151M	150	2.6	220	1.8
STR44-18-112M	1100	1.2	1908	0.58	STR50-18-202M	2000	0.60	1932	0.50
STR44-52-120M	12	62	16.2	4.5	STR50-52-180M	18	35	19.7	4.4
STR44-52-180M	18	35	23.6	3.5	STR50-52-270M	27	27	32	3.6
STR44-52-270M	27	26	39.0	2.8	STR50-52-101M	100	5.2	133	1.9
STR44-52-560M	56	9.0	85.0	2.0	STR50-52-221M	220	2.2	220	1.3
STR44-52-152M	1500	0.85	1908	0.39	STR50-52-272M	2700	0.50	1932	0.37
STR44-M125-180M	18	49	16.2	4.3	STR50-M125-330M	33	19	19.7	3.5
STR44-M125-270M	27	33	23.6	3.4	STR50-M125-470M	47	16	32	2.8
STR44-M125-470M	47	23	39.0	2.6	STR50-M125-151M	150	3.6	133	1.6
STR44-M125-101M	100	7.5	85.0	1.8	STR50-M125-331M	330	2.0	220	1.2
STR44-M125-222M	2200	0.60	1908	0.38	STR50-M125-472M	4700	0.45	1932	0.31

Note: 1. K =  $\pm 10\%$ , M =  $\pm 20\%$ , N =  $\pm 30\%$

### TECHNICAL INFORMATION:

### PHYSICAL CHARACTERISTICS:



- IDC Max: Determined when superimposed
- Testing: (Equivalent acceptable) Inductance: HP4284A
- RDC: QuadTech 1880 Milliohm meter
- DC current is decreased 10% against its initial value
- Operating temperature: -40°C to +105°C
- Storage Temperature: -40°C to +105°C
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat: 260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

LAND PATTERNS

DIMENSIONS IN: mm

Part number	A	B	C	D	E	F	G
STR44	14.99Max	15.62Max	10.50Max	12.70	13.97	12.95	1.52
STR50	17.02Max	17.78Max	10.50Max	14.73	15.75	14.99	1.52

Note: All specifications subject to change without notice.