



# STR44-50 SERIES

## SMD Toroidal Choke

### FEATURES

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

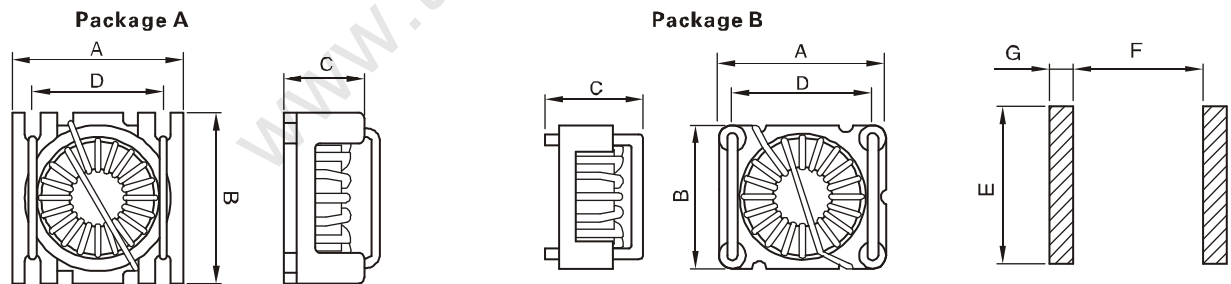
### OPTIONS

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

### APPLICATIONS

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

| Part Number      | L $\mu$ H<br>100KHz | SRF MHz<br>Typ. | DCR<br>(mOhm)<br>max. | IDC (A)<br>max. | Part Number     | L $\mu$ H<br>100KHz | SRF MHz<br>Typ. | DCR<br>(mOhm)<br>max. | IDC (A)<br>max. |
|------------------|---------------------|-----------------|-----------------------|-----------------|-----------------|---------------------|-----------------|-----------------------|-----------------|
| STR44-8/90-5R6M  | 5.6                 | 65              | 16.2                  | 11              | STR50-8/90-100M | 10                  | 35              | 19.7                  | 9               |
| STR44-8/90-100M  | 10                  | 40              | 23.6                  | 9               | STR50-8/90-150M | 15                  | 27              | 32                    | 7.5             |
| STR44-8/90-150M  | 15                  | 25              | 39                    | 7.4             | STR50-8/90-470M | 47                  | 7               | 133                   | 4.3             |
| STR44-8/90-270M  | 27                  | 12              | 85                    | 5.4             | STR50-8/90-101M | 100                 | 3.8             | 220                   | 2.9             |
| STR44-8/90-681 M | 680                 | 1.4             | 1908                  | 1               | 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                  | 33              | 23.6                  | 5.2             | STR50-18-260M   | 26                  | 11              | 32                    | 4.3             |
| STR44-18-220M    | 22                  | 23              | 39                    | 4.1             | STR50-18-730M   | 73                  | 4.5             | 133                   | 2.5             |
| STR44-18-410M    | 41                  | 9.5             | 85                    | 3               | STR50-18-151M   | 150                 | 2.6             | 220                   | 1.8             |
| STR44-18-112M    | 1100                | 12              | 1908                  | 0.58            | STR50-18-202M   | 2000                | 0.6             | 1932                  | 0.5             |
| 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                    | 2.8             | STR50-52-101M   | 100                 | 5.2             | 133                   | 1.9             |
| STR44-52-560M    | 56                  | 9               | 85                    | 2               | STR50-52-221M   | 220                 | 2.2             | 220                   | 1.3             |
| STR44-52-152M    | 1500                | 0.85            | 1908                  | 0.39            | STR50-52-272M   | 2700                | 0.5             | 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                    | 2.6             | STR50-M125-151M | 150                 | 3.6             | 133                   | 1.6             |
| STR44-M125-101M  | 100                 | 7.5             | 85                    | 1.8             | STR50-M125-331M | 330                 | 2               | 220                   | 1.2             |
| STR44-M125-222M  | 2200                | 0.6             | 1908                  | 0.38            | STR50-M125-472M | 4700                | 0.45            | 1932                  | 0.31            |



- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable) Inductance:HP4284A
- RDC:QuadTech 1880 Milliohmmer
- 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

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.