



Features

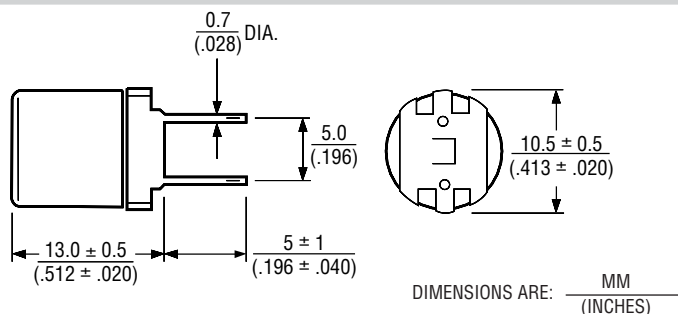
- High inductance up to 47 mH
- High Q level
- RoHS compliant*

FSR1013 Series - Radial Shielded Inductors

Materials

| | |
|-----------------------------|-----------------------------|
| Core | Ferrite POT core |
| Wire | Enameled copper wire |
| Bobbin | Phenolic |
| Terminal | Cu/Sn |
| Adhesive | Epoxy resin |
| Temperature Rise | 40 °C max. at rated current |
| Operating Temperature | -40 °C to +105 °C |
| Storage Temperature | -40 °C to +105 °C |
| Packaging | 110 pcs. per bag |

Dimensions



Electrical Characteristics

| BOURNS Part No. | Inductance (mH) | Q min. | Test freq. (Hz) | | SRF (kHz) min. | RDC (Ω) max. | Rated Curr. IDC (mA) |
|-----------------|-----------------|--------|-----------------|---------|----------------|--------------|----------------------|
| | | | L | Q | | | |
| FSR 1013-102KL | 1.0 ± 10 % | 40 | 1 k | 252.0 k | 740 | 4.0 | 150 |
| FSR 1013-122KL | 1.2 ± 10 % | 40 | 1 k | 252.0 k | 670 | 5.0 | 140 |
| FSR 1013-152KL | 1.5 ± 10 % | 40 | 1 k | 252.0 k | 500 | 6.0 | 130 |
| FSR 1013-182KL | 1.8 ± 10 % | 40 | 1 k | 252.0 k | 480 | 7.0 | 115 |
| FSR 1013-222KL | 2.2 ± 10 % | 40 | 1 k | 252.0 k | 410 | 10.0 | 100 |
| FSR 1013-272KL | 2.7 ± 10 % | 40 | 1 k | 252.0 k | 390 | 11.0 | 95 |
| FSR 1013-332KL | 3.3 ± 10 % | 30 | 1 k | 252.0 k | 350 | 12.0 | 85 |
| FSR 1013-392KL | 3.9 ± 10 % | 30 | 1 k | 252.0 k | 340 | 13.0 | 80 |
| FSR 1013-472KL | 4.7 ± 10 % | 30 | 1 k | 252.0 k | 320 | 23.0 | 70 |
| FSR 1013-562KL | 5.6 ± 10 % | 30 | 1 k | 252.0 k | 310 | 25.0 | 65 |
| FSR 1013-682KL | 6.8 ± 10 % | 20 | 1 k | 252.0 k | 280 | 30.0 | 60 |
| FSR 1013-822KL | 8.2 ± 10 % | 20 | 1 k | 252.0 k | 260 | 32.0 | 50 |
| FSR 1013-103KL | 10.0 ± 10 % | 50 | 1 k | 79.6 k | 240 | 35.0 | 45 |
| FSR 1013-123KL | 12.0 ± 10 % | 50 | 1 k | 79.6 k | 210 | 50.0 | 40 |
| FSR 1013-153KL | 15.0 ± 10 % | 50 | 1 k | 79.6 k | 190 | 58.0 | 38 |
| FSR 1013-183KL | 18.0 ± 10 % | 50 | 1 k | 79.6 k | 180 | 63.0 | 35 |
| FSR 1013-223KL | 22.0 ± 10 % | 40 | 1 k | 79.6 k | 140 | 90.0 | 30 |
| FSR 1013-273KL | 27.0 ± 10 % | 40 | 1 k | 79.6 k | 130 | 100.0 | 28 |
| FSR 1013-333KL | 33.0 ± 10 % | 40 | 1 k | 79.6 k | 125 | 115.0 | 25 |
| FSR 1013-393KL | 39.0 ± 10 % | 30 | 1 k | 79.6 k | 120 | 185.0 | 23 |
| FSR 1013-473KL | 47.0 ± 10 % | 30 | 1 k | 79.6 k | 110 | 205.0 | 22 |

REV. 09/09

*RoHS Directive 2002/95/EC Jan. 27, 2003 including Annex.

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