

Features

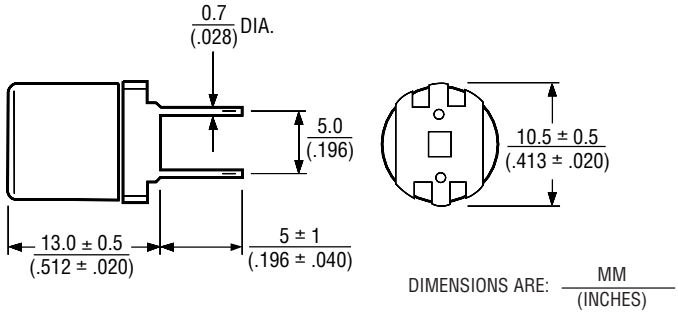
- High inductance up to 47 mH
- High Q level
- RoHS compliant*

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

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*RoHS Directive 2002/95/EC Jan 27 2003 including Annex
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.