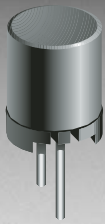


LEAD FREE  
VERSIONS ARE  
RoHS COMPLIANT



**BOURNS®**

## Features

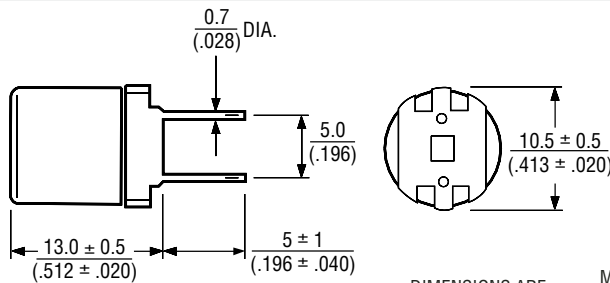
- High inductance up to 47mH
- High Q level
- Lead free version available (see How to Order)
- Lead free versions are RoHS compliant\*

## FSR1013 Series - Radial Shielded Inductors

### Materials

Core .....Ferrite POT core  
 Wire .....Enamelled copper wire  
 Bobbin .....Phenolic  
 Terminal .....See How to Order  
 Adhesive .....Epoxy resin  
 Temperature Rise.....40 °C max. at rated current  
 Packaging .....182 pcs. per bag

### Dimensions



DIMENSIONS ARE:  $\frac{\text{MM}}{\text{(INCHES)}}$

### How to Order

Model FSR1013 - 102K  
 Value/Tolerance: from table  
 Termination \_\_\_\_\_  
 L = Cu/Sn  
 Blank = Cu/SnPb

### Electrical Characteristics

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

REV. 11/04

\*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.