

# SHIELDED RADIAL LEAD INDUCTORS

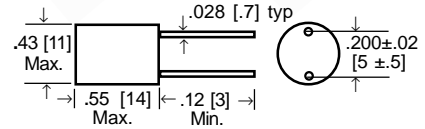
## RS1014 SERIES



- Electromagnetically shielded
- Radial lead design offers space savings
- Inductance range 1mH (1000uH) to 47mH is standard (10uH~120mH avail.)
- Premium grade materials enable high current, SRF, Q, & temperature ratings
- Standard tolerance is 10% (5% avail.)

### OPTIONS

- Improved Q & SRF levels
- Reduced DC Resistance
- Application-specific test freq.
- Increased current & temp ratings



Inductance (mH)	Q Min.	Test Frequency (Hz)		SRF Min. (KHz)	DC Resis., Max. (Ω)	IDC Max. (DC Current Rating, mA) *
		Induc.	Q			
1.0	40	1K	252K	740	4.0	150
1.2	40	1K	252K	670	5.0	140
1.5	40	1K	252K	500	6.0	130
1.8	40	1K	252K	480	7.0	115
2.2	40	1K	252K	410	10	100
2.7	40	1K	252K	390	11	95
3.3	30	1K	252K	350	12	85
3.9	30	1K	252K	340	13	80
4.7	30	1K	252K	320	23	70
5.6	30	1K	252K	310	25	65
6.8	20	1K	252K	280	30	60
8.2	20	1K	252K	260	32	50
10	50	1K	79.6K	240	35	45
12	50	1K	79.6K	210	50	40
15	50	1K	79.6K	190	58	38
18	50	1K	79.6K	180	63	35
22	40	1K	79.6K	140	90	30
27	40	1K	79.6K	130	100	28
33	40	1K	79.6K	125	115	25
39	30	1K	79.6K	120	185	23
47	30	1K	79.6K	110	205	22

\* Current rating is based on ambient temp of 85°C or less, derate 5%/°C above 85°C

### TYPICAL PERFORMANCE

Temperature Range	-25°C to +105°C
Insulation Resistance	1000 MΩ Min.
Dielectric Strength	500 VAC
TCof Inductance (typ)	+50 to +500ppm/°C

### MARKING

Units are typically marked with inductance value code (custom marking available).

### P/N DESIGNATION:

**RCD Type** RS1014  - 102 - K B W  
**Options** (leave blank if std)  
**Inductance** (uH): 2 digits & multiplier (e.g. 102=1000uH, 103=10mH, etc.)  
**Tolerance Code:** K=10% (standard), M=20%, J=5%  
**Packaging:** B=Bulk (standard)  
**Termination:** W = Lead-free, Q = Tin/Lead (leave blank if either is acceptable)