



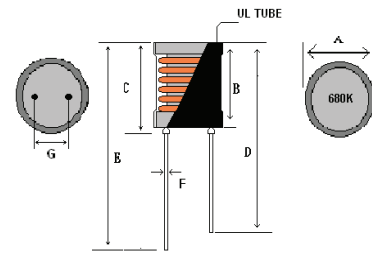
## Radial Bobbin Inductors

## RB2200R



Dimensions:  $\frac{\text{Inches}}{\text{(mm)}}$

A:  $0.283 \pm 0.020$   
 B:  $0.335 \pm 0.020$   
 C: 0.413 MAX  
 D:  $1.614 \pm 0.130$   
 E:  $1.772 \pm 0.130$   
 F:  $0.024 \pm 0.002$   
 G:  $0.118 \pm 0.020$



Allied Part Number	Inductance ( $\mu\text{h}$ )	DCR Max. ( $\Omega$ )	SRF (MHz) Nom.	Q at f KHZ Nom		DC Current (A) Max.
				Q	f	
RB2200R-100K-RC	10	0.05	21.2	65	1000	1.62
RB2200R-150K-RC	15	0.07	19.4	60	500	1.35
RB2200R-220K-RC	22	0.09	17.0	50	500	1.08
RB2200R-330K-RC	33	0.14	11.4	50	500	0.90
RB2200R-470K-RC	47	0.22	10.9	50	500	0.77
RB2200R-680K-RC	68	0.28	8.7	90	100	0.77
RB2200R-101K-RC	100	0.39	7.0	90	100	0.67
RB2200R-151K-RC	150	0.54	5.7	90	100	0.52
RB2200R-221K-RC	220	0.83	4.4	100	100	0.43
RB2200R-331K-RC	330	1.21	3.7	100	100	0.38
RB2200R-471K-RC	470	1.65	3.2	110	100	0.31
RB2200R-681K-RC	680	2.64	2.5	120	100	0.25
RB2200R-102K-RC	1000	3.63	2.1	120	100	0.17
RB2200R-152K-RC	1500	6.49	1.9	130	100	0.13
RB2200R-222K-RC	2200	8.58	1.7	90	50	0.11
RB2200R-332K-RC	3300	11.0	1.2	140	150	0.10
RB2200R-472K-RC	4700	15.0	1.0	150	150	0.081
RB2200R-682K-RC	6800	22.0	0.85	145	150	0.072
RB2200R-103K-RC	10000	37.4	0.62	155	150	0.063
RB2200R-153K-RC	15000	51.7	0.51	140	150	0.054
RB2200R-223K-RC	22000	82.5	0.34	100	50	0.045
RB2200R-333K-RC	33000	118.8	0.28	95	50	0.036
RB2200R-473K-RC	47000	169.4	0.25	90	50	0.027
RB2200R-683K-RC	68000	242.0	0.20	70	50	0.018

All specifications subject to change without notice.

### Features

- Small Foot print
- Radial Ledged
- Extensive Inductance Range
- UL Polyolefin Tubing

### Electrical

**Inductance Range:** -10 $\mu\text{h}$  ~ 68,000 $\mu\text{h}$

**Tolerance:** 10% over entire range.  
Tighter tolerances available.

**Test Frequency:** 1KHz, 0.1V

**Operating Temperature:** -25°C to +70°C

**DC Current:** Based on Inductance change by no more than 10% of initial value and Temperature rise of no more than 30°C of initial temperature within the coil body.

Under no circumstances should the temperature of the part increase to more than 125°C.

### Test Equipment

**Inductance:** HP4263B 1KHz-0.1V

**DCR:** HP4263B 1KHz-0.1V

**Current:** CH-301 Current Source & DCR

**DCR:** HP4263B 1KHz-0.1V

**Q:** HP4342A Q meter

### Physical

**Packaging:** 500 pcs per bag

**Marking:** EIA Inductance code and "F" RoHS Identifier