



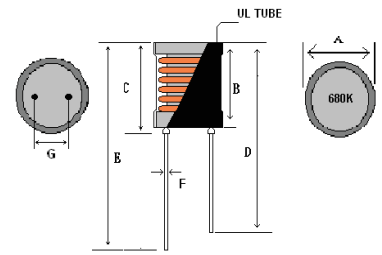
Radial Bobbin Inductors

RB2200R



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

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



| Allied Part Number | Inductance (μh) | DCR Max. (Ω) | 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: $-10\mu\text{h} \sim 68,000\mu\text{h}$

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

Test Frequency: 1KHz, 0.1V

Operating Temperature: -25°C to $+70^\circ\text{C}$

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