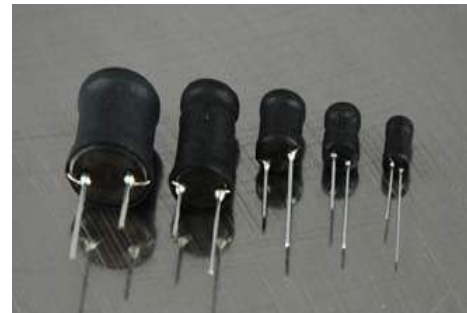


Dimensions:  $\frac{\text{Inches}}{\text{(mm)}}$



### Features

- Small Foot Print.
- Extensive Inductance Range
- UL Polyolefin Tubing

### Electrical

**Inductance Range:** 3.3  $\mu\text{H}$  to 1000  $\mu\text{H}$

**Tolerance:** K= $\pm 10\%$ , M= $\pm 20\%$

**Operating Temperature:** -40°C to +105°C.

**IDC:** The current at which the inductance change is within 5% of its initial value without current and the temp. rise is no more than 30° above ambient.

### Test Equipment

**L,Q:** HP4284A.

**IDC:** 11021 current source & DCR meter

**RDC:** HP4263B current source & DCR meter

### Physical

**Packaging:** 500 per tray

**Marking:** EIA Inductance Code

Part Number	L ( $\mu\text{H}$ )	Q Ref	Test Freq. L,Q (MHz)	DCR ( $\Omega$ ) Max.	SRF (MHz) Min.	IDC (A) Max.
RB0814-3R3M-RC	3.3	20	7.96	0.027	70.0	3.60
RB0814-4R7M-RC	4.7	20	7.96	0.033	50.0	3.20
RB0814-6R8K-RC	6.8	20	7.96	0.039	30.0	3.00
RB0814-100K-RC	10	50	2.52	0.048	20.0	2.70
RB0814-120K-RC	12	50	2.52	0.055	15.0	2.50
RB0814-150K-RC	15	50	2.52	0.060	10.0	2.40
RB0814-180K-RC	18	40	2.52	0.065	9.5	2.30
RB0814-220K-RC	22	40	2.52	0.090	9.0	1.90
RB0814-270K-RC	27	40	2.52	0.110	8.5	1.80
RB0814-330K-RC	33	40	2.52	0.120	8.0	1.70
RB0814-390K-RC	39	30	2.52	0.130	7.0	1.60
RB0814-470K-RC	47	30	2.52	0.140	6.0	1.50
RB0814-560K-RC	56	30	2.52	0.200	5.0	1.30
RB0814-680K-RC	68	30	2.52	0.210	4.5	1.20
RB0814-820K-RC	82	30	2.52	0.230	4.0	1.10
RB0814-101K-RC	100	30	7.96	0.280	3.5	1.00
RB0814-121K-RC	120	30	7.96	0.320	3.0	0.90
RB0814-151K-RC	150	30	7.96	0.370	2.8	0.80
RB0814-181K-RC	180	30	7.96	0.540	2.6	0.75
RB0814-221K-RC	220	20	7.96	0.600	2.4	0.70
RB0814-271K-RC	270	20	7.96	0.680	2.2	0.65
RB0814-331K-RC	330	20	7.96	0.760	2.0	0.60
RB0814-391K-RC	390	20	7.96	0.850	1.9	0.55
RB0814-471K-RC	470	20	7.96	1.300	1.8	0.50
RB0814-561K-RC	560	20	7.96	1.400	1.7	0.45
RB0814-681K-RC	680	20	7.96	1.600	1.6	0.40
RB0814-821K-RC	820	20	7.96	1.800	1.5	0.35
RB0814-102K-RC	1000	40	0.252	2.100	1.3	0.30

All specifications subject to change without notice.