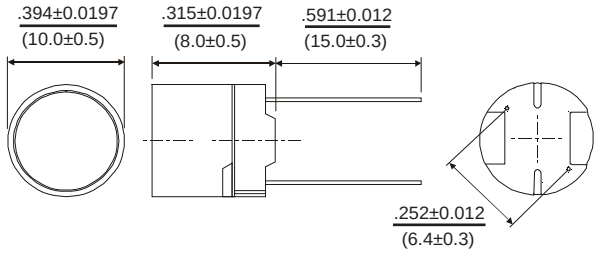
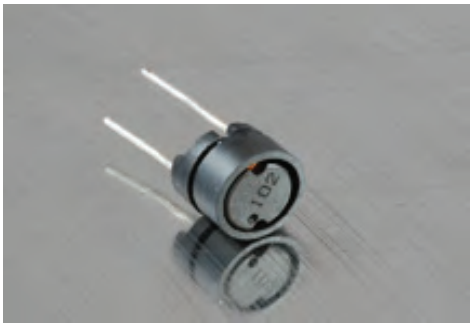
RoHS

Radial Shielded Inductor

RS1008

Dimensions: Inches / (mm)





Allied Part Number	Inductance (µH)	Tolerance %	Test Frequency @ 0.1v	DCR mΩ MAX	Rated Current (A) Max
RS1008-100M-RC	10	20	2.52 MHz	0.05	2.80
RS1008-120M-RC	12	20	2.52 MHz	0.06	2.50
RS1008-150M-RC	15	20	2.52 MHz	0.07	2.30
RS1008-180M-RC	18	20	2.52 MHz	0.08	2.10
RS1008-220M-RC	22	20	2.52 MHz	0.09	2.00
RS1008-270M-RC	27	20	2.52 MHz	0.10	1.76
RS1008-330M-RC	33	20	2.52 MHz	0.11	1.60
RS1008-390M-RC	39	20	2.52 MHz	0.12	1.38
RS1008-470M-RC	47	20	2.52 MHz	0.14	1.28
RS1008-560K-RC	56	10	2.52 MHz	0.15	1.20
RS1008-680K-RC	68	10	2.52 MHz	0.16	1.00
RS1008-820K-RC	82	10	2.52 MHz	0.18	0.96
RS1008-101K-RC	100	10	1 KHz	0.20	0.92
RS1008-121K-RC	120	10	1 KHz	0.24	0.80
RS1008-151K-RC	150	10	1 KHz	0.35	0.73
RS1008-181K-RC	180	10	1 KHz	0.40	0.64
RS1008-221K-RC	220	10	1 KHz	0.54	0.61
RS1008-271K-RC	271	10	1 KHz	0.76	0.56
RS1008-331K-RC	330	10	1 KHz	0.86	0.50
RS1008-391K-RC	390	10	1 KHz	0.93	0.44
RS1008-471K-RC	470	10	1 KHz	1.23	0.41
RS1008-561K-RC	560	10	1 KHz	1.34	0.38
RS1008-681K-RC	680	10	1 KHz	1.53	0.34
RS1008-821K-RC	820	10	1 KHz	2.10	0.32
RS1008-102K-RC	1000	10	1 KHz	2.30	0.28

All specifications subject to change without notice.

Features

- Magnetically Shielded
- Integrated Standoff for insulated and stable mounting
- Cross to Renco RL-8054-2

Electrical

Inductance Range: 10µh ~ 1000µh
Tolerance: 20% @ 10µh ~ 47µH
10% @ 56µh ~ 1000µH
Test Frequency: 2.52MHz / 1V @ 10µH-82µH
1KHz / 1V @ 100µH ~ 1000µH
Operating Temp: -40ºC ~ +85ºC
Storage Temp: -40ºC ~ +125ºC
Rated Current: The current at which the inductance will drop 10% from its intial value

Test Equipment

(L): HP4284A / HP4285A
DCR: CH502BC
Current: VR126G/7220

Physical

Packaging: 200 / Inner Box
Marking: EIA Inductance Code