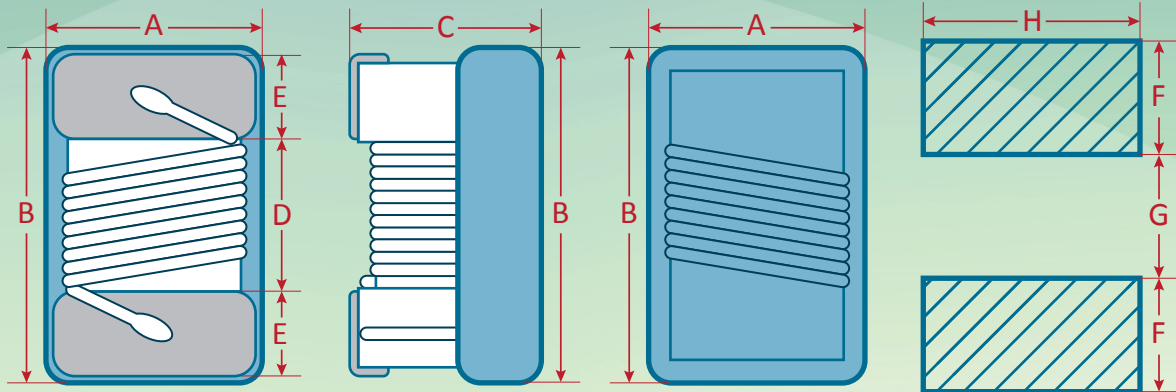




# RL Series

## SMD Wire Wound Ceramic Chip Inductor

Shape and Dimensions(mm):



RoHS

Item	A	B	C	D	E	F	G	H
RL02	0.64 Max.	1.19 Max.	0.66 Max.	0.56	0.23	0.36 Typ.	0.46 Typ.	0.66 Typ.

### RL02

Part No.	Inductance		Q		DCR(Ω)	SRF(MHz)	Irms(A)	Tolerance (±%)
	(nH)	(MHz)	Min.	(MHz)	Max.	Min.	Max.	
RL02JT1N0	1.0	250	16	250	0.045	12700	1.36	5
RL02JT1N2	1.2	250	16	250	0.09	12900	0.74	5
RL02JT1N3	1.3	250	10	250	0.14	10400	0.64	5
RL02JT1N8	1.8	250	16	250	0.07	12000	1.04	5
RL02JT1N9	1.9	250	16	250	0.07	11300	1.04	5
RL02JT2N0	2.0	250	16	250	0.07	11100	1.04	5
RL02JT2N2	2.2	250	19	250	0.07	10800	0.96	5
RL02JT2N4	2.4	250	15	250	0.068	10500	0.79	5
RL02JT2N5	2.5	250	13	250	0.15	10400	0.64	5
RL02JT2N7	2.7	250	16	250	0.12	10400	0.64	5
RL02JT3N3	3.3	250	19	250	0.066	7000	0.84	5
RL02JT3N6	3.6	250	19	250	0.066	6800	0.84	5
RL02JT3N9	3.9	250	19	250	0.066	6000	0.84	5
RL02JT4N3	4.3	250	18	250	0.091	6000	0.7	5
RL02JT4N7	4.7	250	15	250	0.13	4770	0.64	5
RL02JT5N1	5.1	250	20	250	0.083	4800	0.8	5
RL02JT5N6	5.6	250	20	250	0.083	4800	0.76	5
RL02JT5N8	5.8	250	20	250	0.083	4800	0.76	5
RL02JT6N2	6.2	250	20	250	0.083	4800	0.76	5
RL02JT6N8	6.8	250	20	250	0.083	4800	0.68	5
RL02JT7N3	7.3	250	20	250	0.26	4800	0.68	5
RL02JT7N5	7.5	250	22	250	0.1	4800	0.68	5
RL02JT8N2	8.2	250	22	250	0.1	4400	0.68	5
RL02JT8N7	8.7	250	18	250	0.2	4100	0.48	5
RL02JT9N0	9.0	250	22	250	0.1	4160	0.68	5

Part No.	Inductance		Q		DCR( $\Omega$ )	SRF(MHz)	Irms(A)	Tolerance ( $\pm\%$ )
	(nH)	(MHz)	Min.	(MHz)	Max.	Min.	Max.	
RL02JT9N1	9.1	250	22	250	0.1	4160	0.68	5
RL02JT9N5	9.5	250	18	250	0.2	4000	0.48	5
RL02JT10N	10	250	21	250	0.2	3900	0.48	5
RL02JT11N	11	250	24	250	0.12	3680	0.64	5
RL02JT12N	12	250	24	250	0.12	3600	0.64	5
RL02JT13N	13	250	24	250	0.21	3450	0.44	5
RL02JT15N	15	250	24	250	0.17	3280	0.56	5
RL02JT16N	16	250	24	250	0.22	3100	0.56	5
RL02JT18N	18	250	25	250	0.23	3100	0.42	5
RL02JT19N	19	250	24	250	0.2	3040	0.48	5
RL02JT20N	20	250	25	250	0.25	3000	0.42	5
RL02JT22N	22	250	25	250	0.3	2800	0.4	5
RL02JT23N	23	250	22	250	0.3	2720	0.4	5
RL02JT24N	24	250	25	250	0.3	2700	0.4	5
RL02JT27N	27	250	24	250	0.3	2480	0.4	5
RL02JT30N	30	250	25	250	0.3	2350	0.4	5
RL02JT33N	33	250	24	250	0.44	2350	0.4	5
RL02JT36N	36	250	24	250	0.44	2320	0.32	5
RL02JT39N	39	250	25	250	0.55	2100	0.2	5
RL02JT40N	40	250	24	250	0.44	2240	0.32	5
RL02JT43N	43	250	25	250	0.81	2030	0.1	5
RL02JT47N	47	250	20	250	0.83	2100	0.15	5
RL02JT51N	51	250	25	250	0.82	1750	0.1	5
RL02JT56N	56	250	22	250	0.97	1760	0.1	5
RL02JT68N	68	250	22	250	1.12	1620	0.1	5
RL02JT72N	72	250	20	250	2.0	1260	0.03	5
RL02JT82N	82	250	20	250	1.55	1260	0.05	5
RL02JTR10	100	250	20	250	2.0	1160	0.03	5
RL02JTR12	120	250	20	250	2.2	1100	0.05	5
RL02JTR18	180	100	8.0	100	2.7	700	0.05	5

### Ordering information

#### RL - 02 - J - T - 1N0

#### (1) (2) (3) (4) (5)

- ( 1 ) Type : Surface Mountable Type
- ( 2 ) Size : 02(0402) is size
- ( 3 ) Tolerance : J=5%
- ( 4 ) Packaging style : Taping Reel
- ( 5 ) Inductance : 1N0 for 1.0nH, 10N for 10nH, R10 for 100nH...

### Characteristics

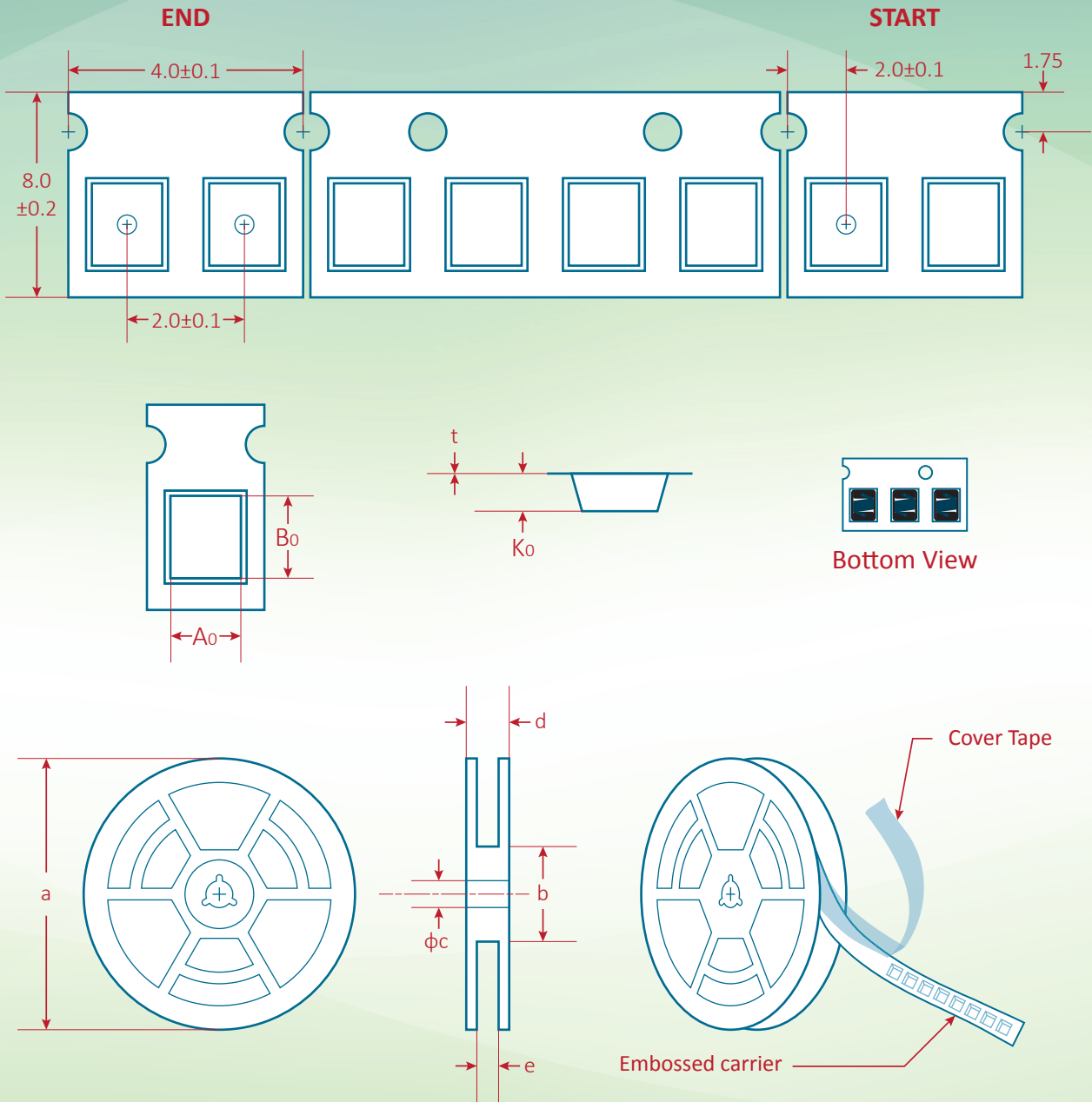
- Irms for a 15°C rise above 25°C ambient
- Operating temperature : -40°C to 125°C

### Test equipment

- L, Q : Tested by Angilent 4287A with 16197A or its equivalent
- SRF : Tested by HP 8753E or E4991A with 16197A or its equivalent
- DCR : Tested by Angilent 4287A with 16197A or its equivalent

# Packing

Dimensions in mm



Item	t	Ao	Bo	Ko	a	b	φc	d	e
RL02	0.75 ±0.03	0.67 ±0.03	1.2 ±0.03	0.53 ±0.03	178 Max.	50 Min.	13 +0.5 -0.2	14.4 Max.	8.4 +2.0 -0.0

Reel

Q'ty(Pcs)

4,000