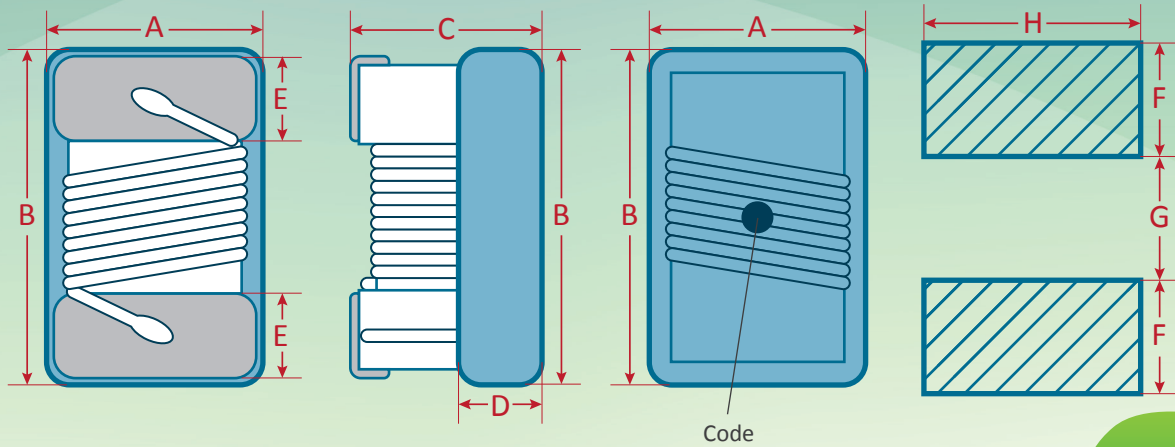




# RL Series

## SMD Wire Wound Ceramic Chip Inductor

Shape and Dimensions(mm):



Item	A	B	C	D	E	F	G	H
RL03	1.2 Max.	1.8 Max.	1.02 Max.	0.45 Ref.	0.33	0.64 Typ.	0.64 Typ.	1.02 Typ.

### RL03

Part No.	Inductance		Q		DCR(Ω)	SRF(MHz)	I <sub>rms</sub> (A)	Tolerance (±%)	Color Coding
	(nH)	(MHz)	Min.	(MHz)	Max.	Min.			
RL03JT1N6	1.6	250	24	250	0.03	12500	0.7	5	Red
RL03JT1N8	1.8	250	16	250	0.045	12500	0.7	5	Black
RL03JT2N0	2.0	250	13	250	0.08	12500	0.7	5	Orange
RL03JT2N2	2.2	250	13	250	0.25	12500	0.7	5	Yellow
RL03JT3N3	3.3	250	30	250	0.045	5900	0.7	5	Blue
RL03JT3N6	3.6	250	22	250	0.063	5900	0.7	5	Red
RL03JT3N9	3.9	250	22	250	0.08	6900	0.7	5	Brown
RL03JT4N1	4.1	250	22	250	0.063	6000	0.7	5	Red
RL03JT4N3	4.3	250	22	250	0.063	5900	0.7	5	Orange
RL03JT4N7	4.7	250	20	250	0.085	5800	0.7	5	Violet
RL03JT5N1	5.1	250	20	250	0.115	5700	0.7	5	Green
RL03JT5N6	5.6	250	20	250	0.16	5800	0.7	5	Black
RL03JT6N2	6.2	250	26	250	0.115	5700	0.7	5	Gray
RL03JT6N3	6.3	250	26	250	0.115	5700	0.7	5	White
RL03JT6N8	6.8	250	27	250	0.125	5800	0.7	5	Red
RL03JT7N5	7.5	250	28	250	0.106	4800	0.7	5	Brown
RL03JT8N2	8.2	250	30	250	0.125	4700	0.7	5	Orange
RL03JT8N7	8.7	250	28	250	0.109	4600	0.7	5	Yellow
RL03JT9N1	9.1	250	28	250	0.12	4600	0.7	5	Black
RL03JT9N5	9.5	250	28	250	0.145	5400	0.7	5	Blue
RL03JT10N	10	250	31	250	0.145	4800	0.7	5	Orange
RL03JT11N	11	250	30	250	0.145	4000	0.7	5	Gray
RL03JT12N	12	250	35	250	0.14	4000	0.7	5	Yellow
RL03JT13N	13	250	30	250	0.13	4000	0.7	5	Red
RL03JT15N	15	250	35	250	0.18	4000	0.7	5	Green



Part No.	Inductance		Q		DCR( $\Omega$ ) Max.	SRF(MHz) Min.	I <sub>rms</sub> (A) Max.	Tolerance ( $\pm$ %)	Color Coding
	(nH)	(MHz)	Min.	(MHz)					
RL03JT16N	16	250	34	250	0.17	3300	0.7	5	White
RL03JT18N	18	250	35	250	0.18	3100	0.7	5	Blue
RL03JT19N	19	250	35	250	0.19	3000	0.7	5	Brown
RL03JT20N	20	250	38	250	0.18	3000	0.7	5	Red
RL03JT22N	22	250	38	250	0.19	3000	0.7	5	Violet
RL03JT23N	23	250	38	250	0.205	2850	0.7	5	Orange
RL03JT24N	24	250	36	250	0.205	2650	0.7	5	Black
RL03JT25N	25	250	38	250	0.21	2800	0.6	5	Yellow
RL03JT27N	27	250	40	250	0.22	2800	0.6	5	Gray
RL03JT30N	30	250	37	250	0.22	2250	0.6	5	Brown
RL03JT33N	33	250	40	250	0.22	2300	0.6	5	White
RL03JT36N	36	250	37	250	0.25	2080	0.6	5	Red
RL03JT39N	39	250	40	250	0.26	2200	0.6	5	Black
RL03JT43N	43	250	38	250	0.28	2000	0.6	5	Orange
RL03JT47N	47	200	38	200	0.28	2000	0.6	5	Brown
RL03JT51N	51	200	38	200	0.3	2130	0.6	5	Violet
RL03JT56N	56	200	38	200	0.31	1900	0.6	5	Red
RL03JT62N	62	200	37	200	0.33	1800	0.6	5	Gray
RL03JT68N	68	200	37	200	0.34	1700	0.6	5	Orange
RL03JT72N	72	150	34	150	0.49	1700	0.4	5	Yellow
RL03JT75N	75	150	34	150	0.43	1700	1.0	5	Blue
RL03JT79N	79	150	34	150	0.5	1700	0.4	5	White
RL03JT82N	82	150	34	150	0.54	1700	0.4	5	Green
RL03JT85N	85	150	34	150	0.55	1600	0.4	5	Blue
RL03JT91N	91	150	34	150	0.56	1500	0.4	5	Brown
RL03JTR10	100	150	34	150	0.58	1400	0.4	5	Blue
RL03JTR11	110	150	34	150	0.61	1350	0.3	5	Violet
RL03JTR12	120	150	34	150	0.65	1350	0.3	5	Gray
RL03JTR13	130	150	32	150	0.75	1200	0.28	5	Orange
RL03JTR15	150	150	28	150	0.92	990	0.28	5	White
RL03JTR16	160	150	28	150	1.05	990	0.26	5	Red
RL03JTR17	170	100	25	100	1.15	990	0.24	5	Yellow
RL03JTR18	180	100	25	100	1.25	990	0.24	5	Black
RL03JTR19	190	100	25	100	1.35	990	0.2	5	Green
RL03JTR20	200	100	25	100	1.5	990	0.2	5	Orange
RL03JTR22	220	100	25	100	1.6	900	0.2	5	Brown
RL03JTR24	240	100	25	100	1.9	900	0.2	5	Violet
RL03JTR25	250	100	25	100	2.34	900	0.25	5	Green
RL03JTR27	270	100	24	100	2.0	900	0.17	5	Red
RL03JTR30	300	100	25	100	2.7	900	0.15	5	Green
RL03JTR33	330	100	25	100	2.75	900	0.1	5	Blue
RL03JTR34	340	100	25	100	2.9	900	0.1	5	Gray
RL03JTR36	360	100	25	100	3.07	900	0.1	5	Red
RL03JTR37	370	100	25	100	3.1	900	0.1	5	Orange
RL03JTR39	390	100	25	100	3.15	900	0.1	5	Yellow
RL03JTR47	470	100	25	100	4.0	750	0.08	5	Green
RL03JTR56	560	100	23	100	4.7	460	0.1	5	Blue

### Ordering information

#### RL - 03 - J - T - 1N6

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

- ( 1 ) Type : Surface Mountable Type
- ( 2 ) Size : 03(0603) is size
- ( 3 ) Tolerance : J=5%
- ( 4 ) Packaging style : Taping Reel
- ( 5 ) Inductance : 1N6 for 1.6nH, 10N for 10nH, R10 for 100nH...

### Characteristics

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

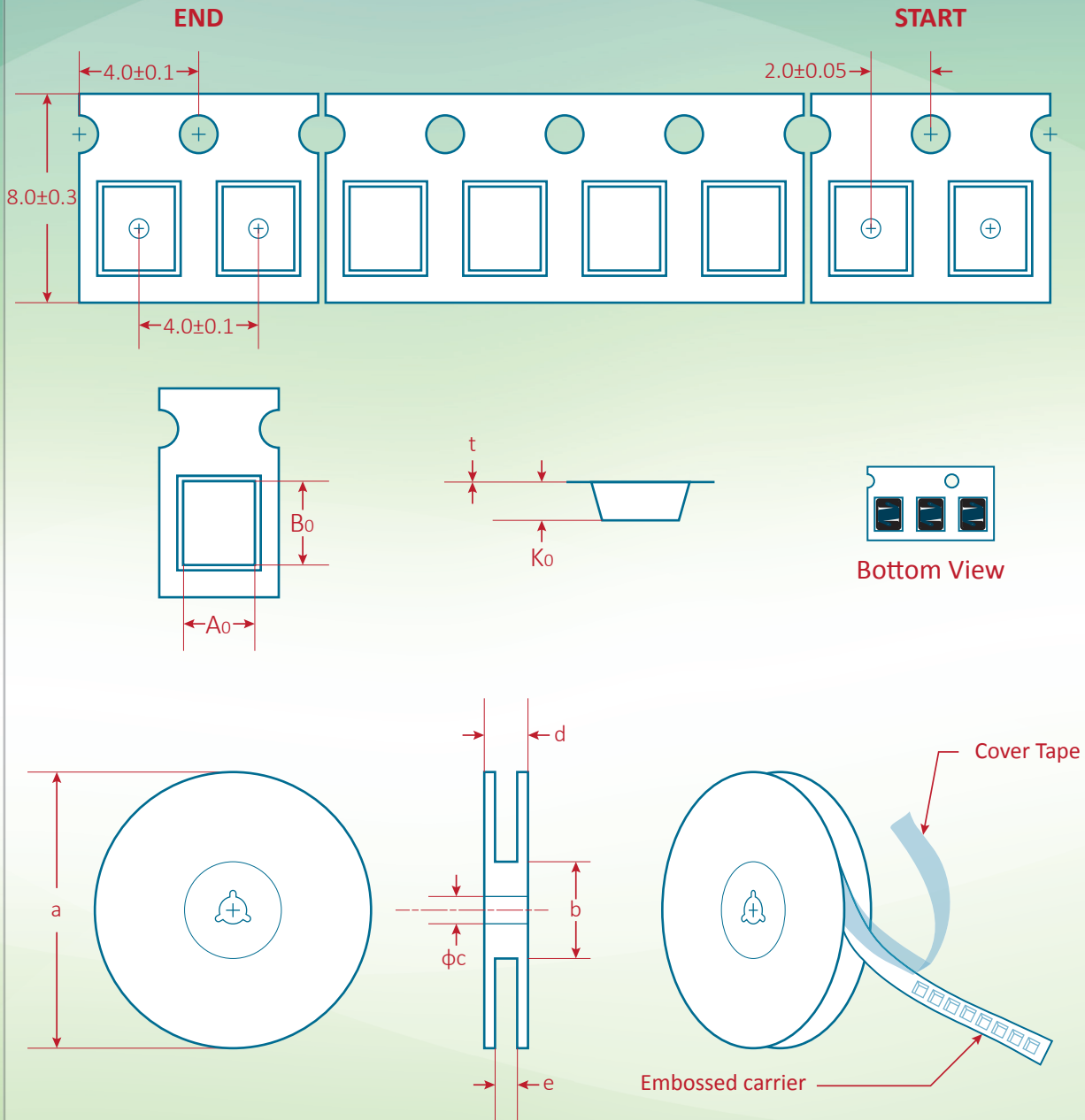
### Test equipment

- L, Q : E4991A
- SRF : E4991A, HP8753E
- DCR : Tested By Angilent CH16502 or its equivalent



# Packing

Dimensions in mm



Item	t	Ao	Bo	Ko	a	b	φc	d	e
RL03	0.22 ±0.05	1.25 ±0.1	1.9 ±0.1	1.05 ±0.1	178 ±2.0	50 Min.	13 ±0.8	12.5 Max.	8.4 ±1.0

Reel

Q'ty(Pcs)

4,000