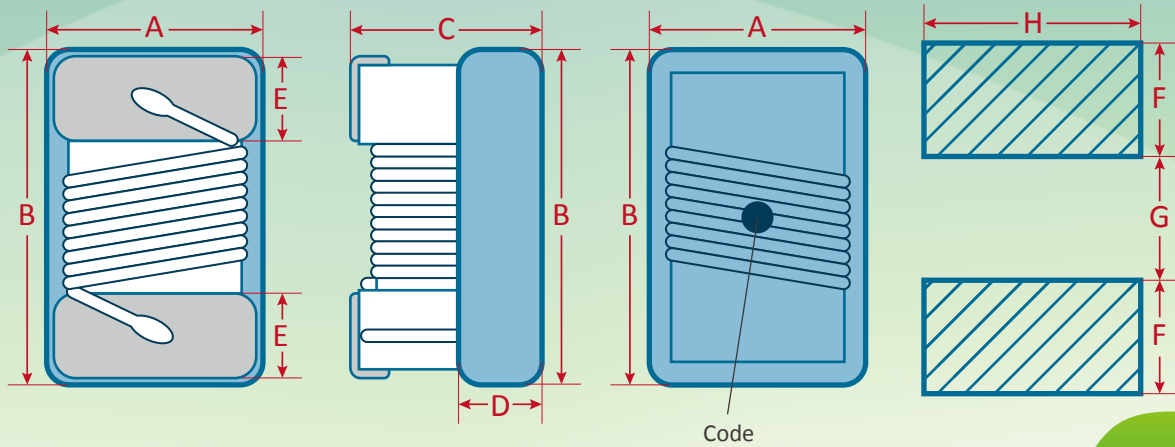


RL Series

SMD Wire Wound Ceramic Chip Inductor

Shape and Dimensions(mm):



Item	A	B	C	D	E	F	G	H
RL05	1.65 Max.	2.4 Max.	1.45 Max.	0.65 Ref.	0.44	1.02 Typ.	0.76 Typ.	1.78 Typ.

RL05

Part No.	Inductance		Q		DCR(Ω)	SRF(MHz)	I _{rms} (A)	Tolerance (±%)	Color Coding
	(nH)	(MHz)	Min.	(MHz)	Max.	Min.			
RL05KT2N2	2.2	250	50	1000	0.05	7900	0.8	10	Violet
RL05JT2N7	2.7	250	50	1500	0.058	7900	0.8	5	Blue
RL05JT2N8	2.8	250	55	1500	0.06	7900	0.8	5	Gray
RL05JT3N0	3.0	250	55	1500	0.08	7900	0.8	5	White
RL05JT3N3	3.3	250	45	1500	0.12	7900	0.6	5	Black
RL05JT4N7	4.7	250	60	1000	0.06	5800	0.6	5	N/A
RL05JT5N1	5.1	250	60	1000	0.06	5800	0.6	5	Yellow
RL05JT5N6	5.6	250	65	1000	0.08	5500	0.6	5	Orange
RL05JT6N2	6.2	250	50	1000	0.11	5500	0.8	5	Violet
RL05JT6N8	6.8	250	50	1000	0.11	5500	0.6	5	Brown
RL05JT7N5	7.5	250	50	1000	0.14	4500	0.6	5	Green
RL05JT8N2	8.2	250	50	1000	0.16	4700	0.6	5	Red
RL05JT8N7	8.7	250	50	1000	0.23	4700	0.6	5	Violet
RL05JT10N	10	250	60	500	0.1	4200	0.6	5	Blue
RL05JT12N	12	250	50	500	0.15	4000	0.6	5	Orange
RL05JT14N	14	250	50	500	0.17	3400	0.6	5	Yellow
RL05JT15N	15	250	50	500	0.17	3400	0.6	5	Yellow
RL05JT16N	16	250	50	500	0.19	3300	0.6	5	Green
RL05JT18N	18	250	50	500	0.2	3300	0.6	5	Green
RL05JT22N	22	250	50	500	0.22	2600	0.5	5	Blue
RL05JT24N	24	250	50	500	0.22	2400	0.5	5	Gray
RL05JT27N	27	250	55	500	0.25	2500	0.5	5	Violet
RL05JT33N	33	250	60	500	0.27	2050	0.5	5	Gray
RL05JT36N	36	250	55	500	0.27	1700	0.5	5	Orange
RL05JT39N	39	250	60	500	0.29	2000	0.5	5	White



Part No.	Inductance		Q		DCR(Ω) Max.	SRF(MHz) Min.	I _{rms} (A) Max.	Tolerance (\pm %)	Color Coding
	(nH)	(MHz)	Min.	(MHz)					
RL05JT43N	43	200	60	500	0.34	1650	0.5	5	Yellow
RL05JT47N	47	200	60	500	0.31	1650	0.5	5	Black
RL05JT50N	50	200	60	500	0.34	1650	0.5	5	Green
RL05JT56N	56	200	60	500	0.34	1550	0.5	5	Brown
RL05JT68N	68	200	60	500	0.38	1450	0.5	5	Red
RL05JT72N	72	200	60	500	0.4	1400	0.4	5	Orange
RL05JT75N	75	200	60	500	0.4	1400	0.4	5	Violet
RL05JT82N	82	150	65	500	0.42	1300	0.4	5	Orange
RL05JT91N	91	150	65	500	0.48	1200	0.4	5	Black
RL05JTR10	100	150	65	500	0.46	1200	0.4	5	Yellow
RL05JTR11	110	150	50	250	0.48	1000	0.4	5	Brown
RL05JTR12	120	150	50	250	0.51	1100	0.4	5	Green
RL05JTR15	150	100	50	250	0.56	920	0.4	5	Blue
RL05JTR16	160	100	50	250	0.6	900	0.4	5	Gray
RL05JTR18	180	100	50	250	0.64	870	0.4	5	Violet
RL05JTR20	200	100	50	250	0.68	865	0.4	5	Red
RL05JTR22	220	100	50	250	0.7	850	0.4	5	Gray
RL05JTR24	240	100	44	250	1.0	690	0.35	5	Red
RL05JTR25	250	100	48	250	1.0	680	0.35	5	Yellow
RL05JTR27	270	100	48	250	1.0	650	0.35	5	White
RL05JTR30	300	100	48	250	1.4	790	0.33	5	Green
RL05JTR33	330	100	48	250	1.4	650	0.31	5	Black
RL05JTR36	360	100	48	250	1.45	650	0.3	5	Orange
RL05JTR39	390	100	48	250	1.5	560	0.29	5	Brown
RL05JTR43	430	50	33	100	1.7	430	0.27	5	Blue
RL05JTR47	470	50	30	100	1.76	375	0.25	5	Violet
RL05JTR56	560	25	23	50	1.9	340	0.23	5	Orange
RL05JTR62	620	25	23	50	2.2	220	0.21	5	White
RL05JTR68	680	25	23	50	2.2	188	0.19	5	Green
RL05JTR75	750	25	23	50	2.3	200	0.18	5	Violet
RL05JTR82	820	25	23	50	2.35	215	0.18	5	Blue
RL05JTR88	880	25	22	50	2.38	212	0.18	5	Green
RL05JTR91	910	25	22	50	2.4	210	0.18	5	Yellow
RL05JTR93	930	25	22	50	2.45	200	0.18	5	Green
RL05JT1R0	1000	25	22	50	2.45	200	0.18	5	Violet
RL05JT1R2	1200	7.9	16	7.9	2.45	160	0.17	5	Green
RL05JT1R5	1500	7.9	16	25	2.5	100	0.17	5	Black
RL05JT1R8	1800	7.9	16	7.9	2.5	80	0.17	5	Brown
RL05JT2R2	2200	7.9	16	7.9	2.7	60	0.16	5	Red
RL05JT2R7	2700	7.9	16	7.9	4.0	50	0.16	5	Orange
RL05JT4R7	4700	7.9	10	7.9	15	40	0.13	5	Yellow



Ordering information

RL - 05 - J - T - 1N6

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

- (1) Type : Surface Mountable Type
- (2) Size : 05(0805) is size
- (3) Tolerance : J=5%, K=10%
- (4) Packaging style : Taping Reel
- (5) Inductance : 2N8 for 2.8nH, 10N for 10nH, R10 for 100nH, 1R0 for 1000nH...

Characteristics

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

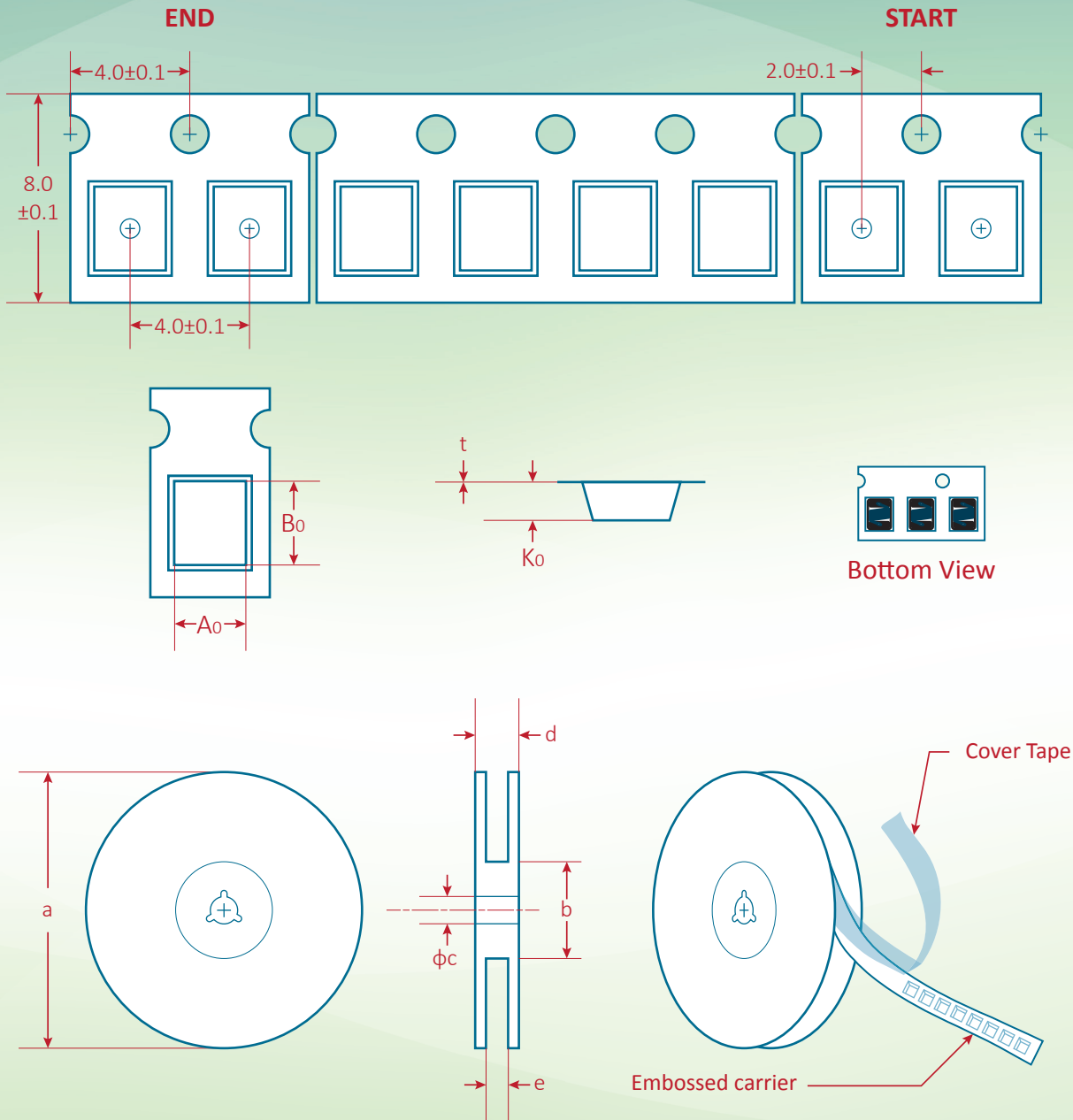
Test equipment

- 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
RL05	0.22 ± 0.05	1.6 ± 0.1	2.42 ± 0.1	1.45 ± 0.1	178 ± 2.0	50 Min.	13 ± 0.8	12.5 Max.	8.4 ± 1.0
Reel									
Q'ty(Pcs)									
2,000									