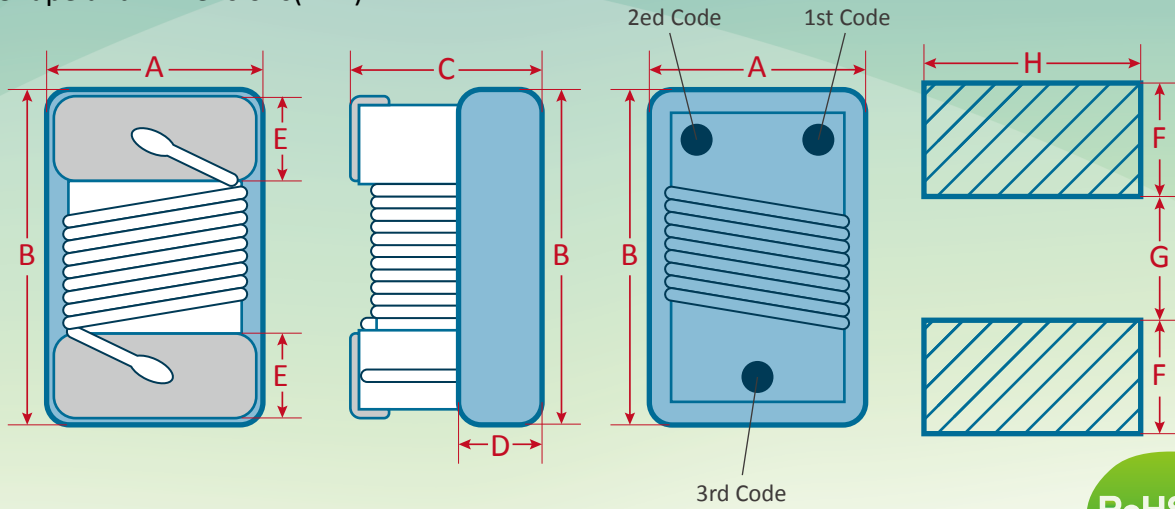


RL Series

SMD Wire Wound Ceramic Chip Inductor

Shape and Dimensions(mm):



Item	A	B	C	D	E	F	G	H
RL08	2.54 Max.	2.9 Max.	2.03 Max.	1.3 Ref.	0.51	1.02 Typ.	1.27 Typ.	2.54 Typ.

RL08

Part No.	Inductance		Q		DCR(Ω)	SRF(MHz)	Irms(A)	Tolerance (±%)	Color Coding		
	(nH)	(MHz)	Min.	(MHz)	Max.	Min.	Max.		1st	2ed	3rd
RL08□T5N6	5.6	50	20	500	0.24	4200	1.0	J	Black	Green	Blue
RL08□T10N	10	50	50	500	0.08	4100	1.0	J、G	Brown	Black	Black
RL08□T12N	12	50	50	500	0.09	3300	1.0	J、G	Brown	Red	Black
RL08□T15N	15	50	50	500	0.16	2500	1.0	J、G	Brown	Green	Black
RL08□T18N	18	50	50	350	0.11	2500	1.0	J、G	Brown	Gray	Black
RL08□T22N	22	50	55	350	0.12	2400	1.0	J、G	Red	Red	Black
RL08□T27N	27	50	50	350	0.13	1600	1.0	J、G	Red	Violet	Black
RL08□T33N	33	50	60	350	0.14	1600	1.0	J、G	Orange	Orange	Black
RL08□T39N	39	50	60	350	0.15	1500	1.0	J、G	Orange	White	Black
RL08□T47N	47	50	65	350	0.16	1500	1.0	J、G	Yellow	Violet	Black
RL08□T56N	56	50	65	350	0.18	1300	1.0	J、G	Green	Blue	Black
RL08□T68N	68	50	65	350	0.2	1300	1.0	J、G	Blue	Gray	Black
RL08□T82N	82	50	60	350	0.22	1000	1.0	J、G	Gray	Red	Black
RL08□TR10	100	25	60	350	0.56	1000	0.65	J、G	Brown	Black	Brown
RL08□TR12	120	25	60	350	0.63	950	0.65	J、G	Brown	Red	Brown
RL08□TR15	150	25	45	100	0.7	850	0.58	J、G	Brown	Green	Brown
RL08□TR18	180	25	45	100	0.77	750	0.62	J、G	Brown	Gray	Brown
RL08□TR22	220	25	45	100	0.84	700	0.5	J、G	Red	Red	Brown
RL08□TR24	240	25	45	100	0.90	680	0.5	J、G	Red	Yellow	Brown
RL08□TR27	270	25	45	100	0.91	600	0.5	J、G	Red	Violet	Brown
RL08□TR33	330	25	45	100	1.05	570	0.45	J、G	Orange	Orange	Brown
RL08□TR39	390	25	45	100	1.12	500	0.47	J、G	Orange	White	Brown
RL08□TR47	470	25	45	100	1.19	450	0.47	J、G	Yellow	Violet	Brown
RL08□TR56	560	25	45	100	1.33	415	0.4	J、G	Green	Blue	Brown
RL08□TR62	620	25	45	100	1.4	375	0.3	J、G	Blue	Red	Brown
RL08□TR68	680	25	45	100	1.47	375	0.4	J、G	Blue	Gray	Brown

Part No.	Inductance		Q		DCR(Ω)		SRF(MHz)		I _{rms} (A)		Tolerance (\pm %)	Color Coding		
	(nH)	(MHz)	Min.	(MHz)	Max.	Min.	Max.	Min.	Max.	1st		2ed	3rd	
RL08□TR75	750	25	45	100	1.54	360	0.36	J、G	Violet	Green	Brown			
RL08□TR82	820	25	45	100	1.61	350	0.4	J、G	Gray	Red	Brown			
RL08□TR91	910	25	35	50	1.68	320	0.38	J、G	White	Brown	Brown			
RL08□T1R0	1000	25	35	50	1.75	290	0.4	J、G	Brown	Black	Red			
RL08□T1R2	1200	7.9	35	50	2.0	250	0.31	J、G	Brown	Red	Red			
RL08□T1R5	1500	7.9	28	50	2.3	200	0.33	J、G	Brown	Green	Red			
RL08□T1R8	1800	7.9	28	50	2.6	160	0.3	J、G	Brown	Gray	Red			
RL08□T2R2	2200	7.9	28	50	2.8	160	0.28	J、G	Red	Red	Red			
RL08□T2R7	2700	7.9	22	25	3.2	135	0.29	J、G	Red	Violet	Red			
RL08□T3R3	3300	7.9	22	25	3.4	110	0.29	J、G	Orange	Orange	Red			
RL08□T3R9	3900	7.9	20	25	3.6	100	0.26	J、G	Orange	White	Red			
RL08□T4R7	4700	7.9	20	25	4.0	90	0.26	J、G	Yellow	Violet	Red			
RL08□T5R6	5600	7.9	18	7.9	4.2	40	0.24	J、G	Green	Blue	Red			
RL08□T6R8	6800	7.9	18	7.9	4.9	40	0.2	J、G	Blue	Gray	Red			
RL08□T8R2	8200	7.9	18	7.9	6.0	25	0.17	J、G	Gray	Red	Red			
RL08□T100	10000	2.5	18	7.9	8.0	25	0.15	J、G	Brown	Blue	Orange			

Ordering information

RL - 08 - J - T - 1N6

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

- (1) Type : Surface Mountable Type
- (2) Size : 08(1008) is size
- (3) Tolerance : J= \pm 5%, G= \pm 2%
- (4) Packaging style : Taping Reel
- (5) Inductance : 10N for 10nH, R10 for 100nH, 1R0 for 1000nH, 100 for 10000nH...

Characteristics

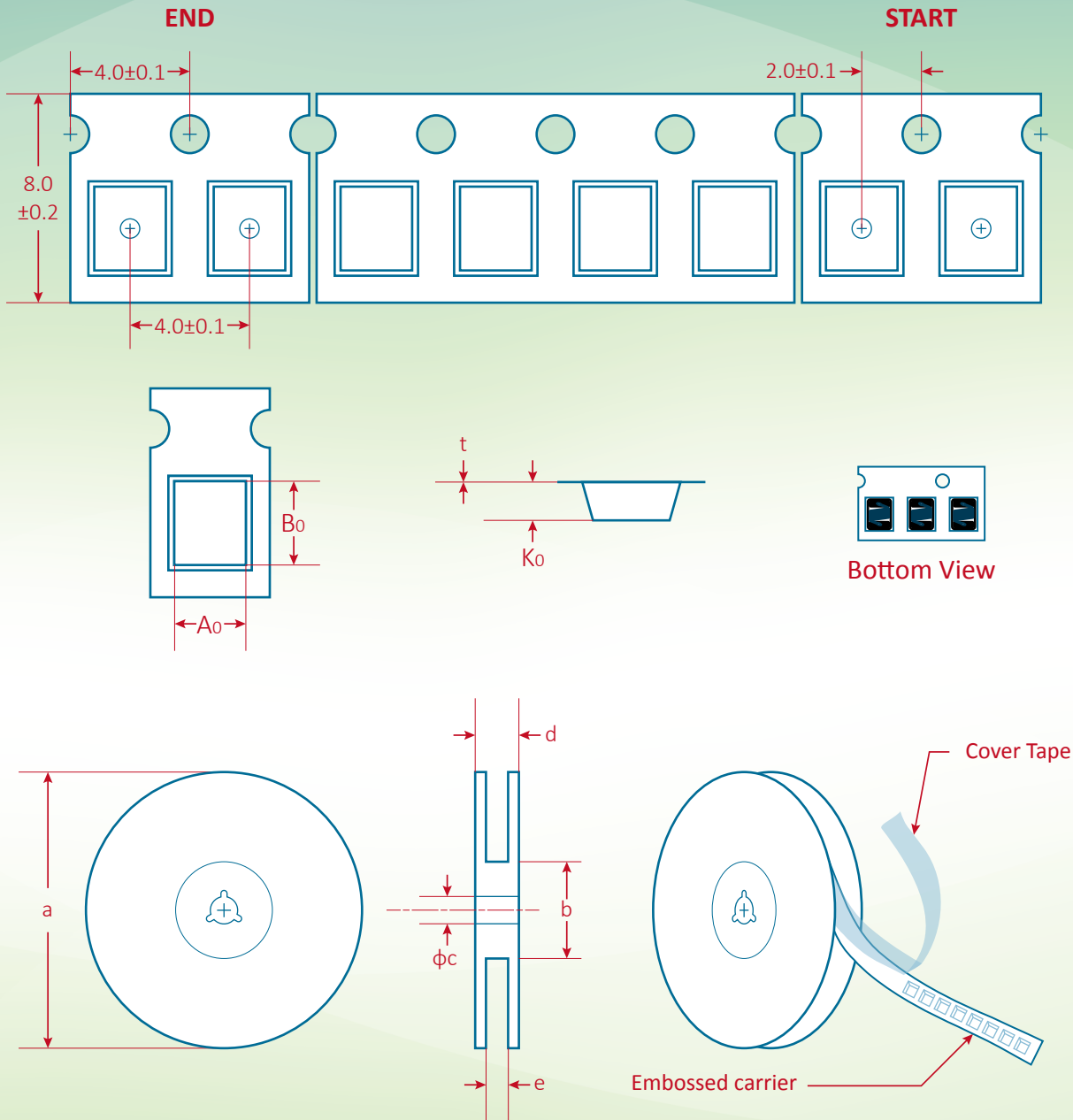
- I_{rms} for a 15°C rise above 25°C ambient
- Operating temperature : -40°C to 125°C

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
RL08	0.25 ±0.05	2.5 ±0.1	2.85 ±0.1	2.0 ±0.1	178 ±2.0	50 Min.	13 ±0.8	12.5 Max.	8.4 ±1.0
Reel									
Q'ty(Pcs)									
2,000									