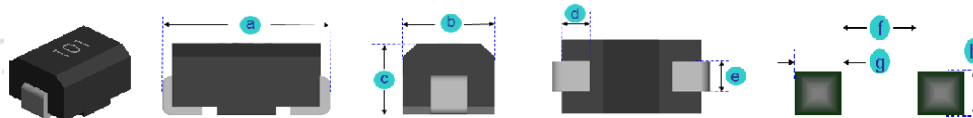


### A. Electrical Specifications:

P/N	L (uH)	Tol.	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated Current Max. (A)
CF322522-R12	0.12	M, K	30	25.2/0.1V	500	0.22	0.450
CF322522-R15	0.15	M, K	30	25.2/0.1V	450	0.25	0.450
CF322522-R18	0.18	M, K	30	25.2/0.1V	400	0.28	0.450
CF322522-R22	0.22	M, K	30	25.2/0.1V	350	0.32	0.450
CF322522-R27	0.27	M, K	30	25.2/0.1V	320	0.36	0.450
CF322522-R33	0.33	M, K	30	25.2/0.1V	300	0.40	0.450
CF322522-R39	0.39	M, K	30	25.2/0.1V	250	0.45	0.450
CF322522-R47	0.47	M, K	30	25.2/0.1V	220	0.50	0.450
CF322522-R56	0.56	M, K	30	25.2/0.1V	180	0.55	0.450
CF322522-R68	0.68	M, K	30	25.2/0.1V	160	0.60	0.450
CF322522-R82	0.82	M, K	30	25.2/0.1V	140	0.65	0.450
CF322522-1R0	1.00	M, K	30	7.96/0.1V	120	0.70	0.400
CF322522-1R2	1.20	M, K	30	7.96/0.1V	100	0.75	0.390
CF322522-1R5	1.50	M, K	30	7.96/0.1V	85	0.85	0.370
CF322522-1R8	1.80	M, K	30	7.96/0.1V	80	0.90	0.350
CF322522-2R2	2.20	M, K	30	7.96/0.1V	75	1.00	0.320
CF322522-2R7	2.70	M, K	30	7.96/0.1V	70	1.10	0.290
CF322522-3R3	3.30	K, J	30	7.96/0.1V	60	1.20	0.260
CF322522-3R9	3.90	K, J	30	7.96/0.1V	55	1.30	0.250
CF322522-4R7	4.70	K, J	30	7.96/0.1V	50	1.50	0.220
CF322522-5R6	5.60	K, J	30	7.96/0.1V	47	1.60	0.200
CF322522-6R8	6.80	K, J	30	7.96/0.1V	43	1.80	0.180
CF322522-8R2	8.20	K, J	30	7.96/0.1V	40	2.00	0.170
CF322522-100	10.0	K, J	30	2.52/0.1V	36	2.10	0.150
CF322522-120	12.0	K, J	30	2.52/0.1V	33	2.50	0.140
CF322522-150	15.0	K, J	30	2.52/0.1V	28	2.80	0.130
CF322522-180	18.0	K, J	30	2.52/0.1V	25	3.30	0.120
CF322522-220	22.0	K, J	30	2.52/0.1V	23	3.70	0.110
CF322522-270	27.0	K, J	30	2.52/0.1V	18	5.00	0.080
CF322522-330	33.0	K, J	30	2.52/0.1V	17	5.60	0.070
CF322522-390	39.0	K, J	30	2.52/0.1V	16	6.40	0.065
CF322522-470	47.0	K, J	30	2.52/0.1V	15	7.00	0.060
CF322522-560	56.0	K, J	30	2.52/0.1V	13	8.00	0.055
CF322522-680	68.0	K, J	30	2.52/0.1V	12	9.00	0.050
CF322522-820	82.0	K, J	30	2.52/0.1V	11	10.0	0.045
CF322522-101	100	K, J	20	0.796/0.1V	10	11.0	0.040
CF322522-121	120	K, J	20	0.796/0.1V	10	12.0	0.070
CF322522-151	150	K, J	20	0.796/0.1V	8	15.0	0.065
CF322522-181	180	K, J	20	0.796/0.1V	7	17.0	0.060
CF322522-221	220	K, J	20	0.796/0.1V	7	21.0	0.050
CF322522-271	270	K, J	20	0.796/0.1V	6	28.0	0.045
CF322522-331	330	K, J	20	0.796/0.1V	5	34.0	0.040

### B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g	h
CF322522	3.2 (0.126)	2.5 (0.098)	2.2 (0.087)	0.6 (0.024)	1.0 (0.039)	2.0 (0.079)	1.0 (0.039)	2.0 (0.079)
Tol.	±0.3 (0.012)	±0.2 (0.008)	±0.2 (0.008)	Typ.	±0.1 (0.004)	Typ.	Typ.	Typ.



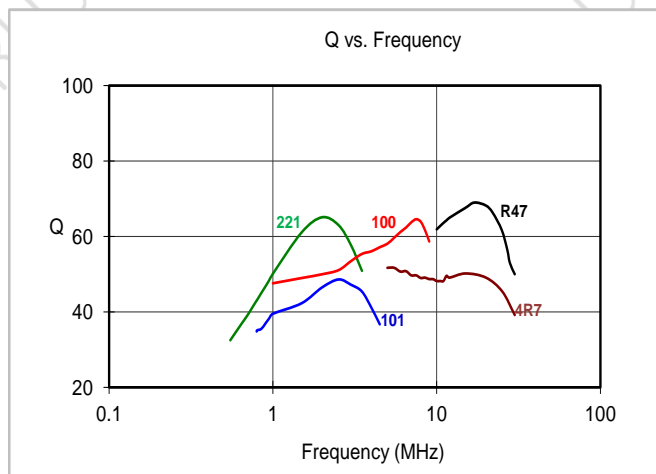
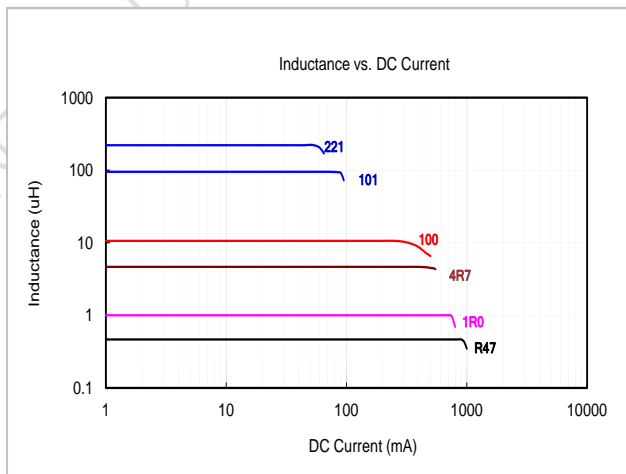
### C. General Information:

1. CF322522 –xxx\_, “CF322522” = P/N, “xxx” = Inductance, “\_” = Tolerance.
2. Tolerance “\_”: M = ± 20%, K = ± 10%, J = ± 5%
3. Small and lightweight surface mounting type
4. High Q at high frequency
5. High self-resonance frequency
6. 20°C Temperature Rise, Ambient temperature 80°C Max.
7. Rated Current: Current cause inductance drops within 10% from 0°C to 50°C
8. Resistance to solder heat: 260°C for 10 seconds.
9. Inductance & Q measured with HP4285A Impedance Analyzer
10. SRF measured with HP4291B or HP8753E Network Analyzer
11. DCR measured with the 16502 milliohm meter.
12. Operating temperature: -25°C to +100°C
13. Storage Temperature Range: -40°C to +100°C
14. Inductance and Current Range: From 0.12 uH (0.450 A) to 330 uH (0.040 A)
15. SRF: From 5 MHz to 500 MHz
16. DCR: From 0.22 OHM to 34.0 OHM
17. MSL: Level 1.

### D. Applications:

1. Game Consoles
2. Set Top Boxes
3. Cables Modems
4. Computers
5. Mobile Communication Devices (Cell Phones, Radios, etc.)

### E. Characteristics Curve:

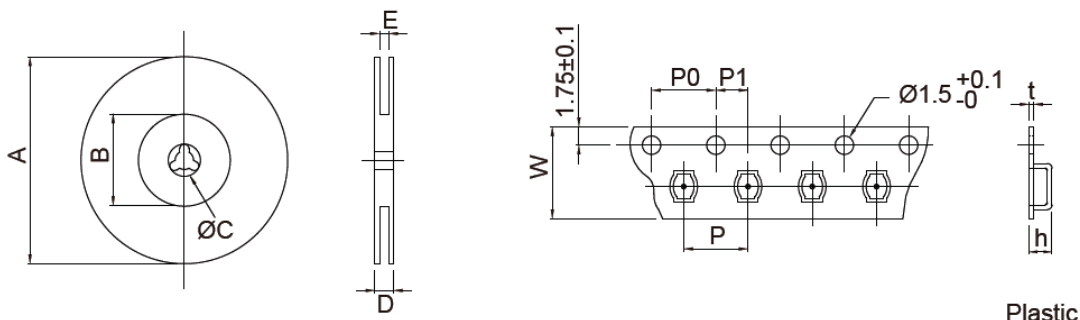


### F. Supplementary Information:

1. Packaging Information

CARRIER TAPE REELS

TAPE DIMENSIONS (mm)



Series P/N	Reel dimensions (mm)					Tape dimensions (mm)						Parts per reel		Quantity per	
	A	B	C	D	E	W	P	P0	P1	h	t	7"	13"	Box	Carton
CF322522	180	50	13	12.5	8.7	8	4	4	2	2.40	0.25	2,000	---	10,000	60,000

2. RoHS Reflow Solder Profile

Typical RoHS Reflow Profile

