

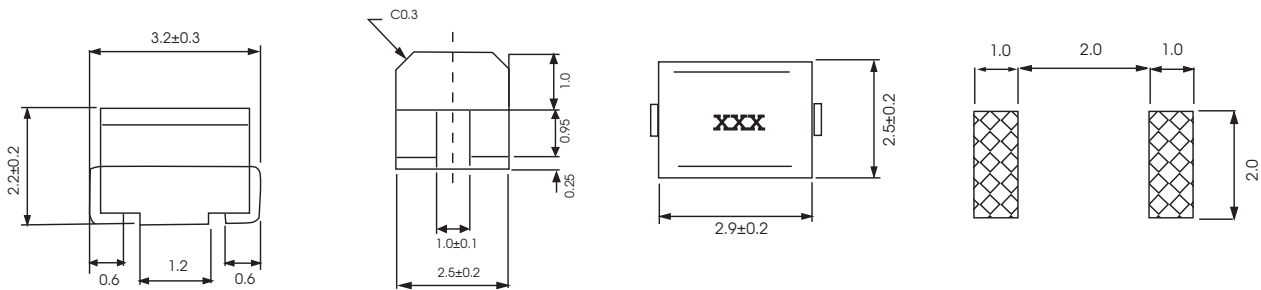
SMD MOLDED WIRE WOUND FERRITE CHIP INDUCTORS

CF322522 Series

A. General Specifications

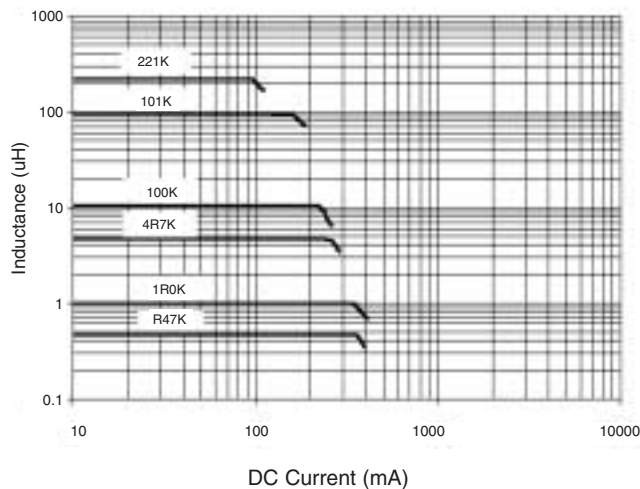
- a . Tolerance: M: $\pm 20\%$, L: $\pm 15\%$, K: $\pm 10\%$.
- b . Operating Temp. : -25°C TO $+100^{\circ}\text{C}$.
- c . Storage Temp. : -40°C TO $+100^{\circ}\text{C}$.
- d . Temperature Rise 20°C Max.
- c . Ambient temperature: 80°C Max.
- d . Rated Current: Current cause inductance drops within 10% from 0°C to 50°C .
- e . Resistance to solder heat: 260°C for 10 seconds.
- f . Inductance & Q measured using the HP4291B
- g . SRF measured using the HP8753E, HP8720D.
- h . DCR measured using the 502BC.

B. Mechanical Dimensions:(Unit:mm)

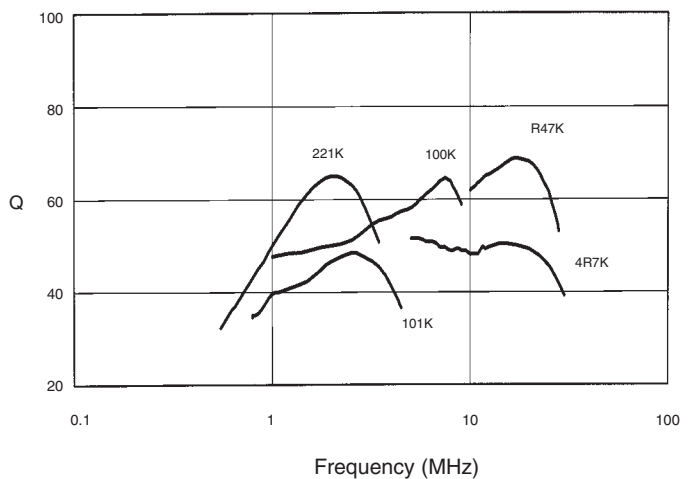


C. Characteristic Curve

Inductance vs. DC Current



Typical Q vs. Frequency



SMD MOLDED WIRE WOUND FERRITE CHIP INDUCTORS

CF322522 Series

D. Electrical Specification:

Part Number	L (uH)	Q (min)	Test Freq. (MHz)	SRF(min.) (MHz)	DCR Ω (Max)	I rms. (mA)
CF322522-R12M	0.12±20%	30	25.2	500	0.22	450
CF322522-R15M	0.15±20%	30	25.2	450	0.25	450
CF322522-R18M	0.18±20%	30	25.2	400	0.28	450
CF322522-R22M	0.22±20%	30	25.2	350	0.32	450
CF322522-R27M	0.27±20%	30	25.2	320	0.36	450
CF322522-R33M	0.33±20%	30	25.2	300	0.40	450
CF322522-R39M	0.39±20%	30	25.2	250	0.45	450
CF322522-R47M	0.47±20%	30	25.2	220	0.50	450
CF322522-R56M	0.56±20%	30	25.2	180	0.55	450
CF322522-R68M	0.68±20%	30	25.2	160	0.60	450
CF322522-R82M	0.82±20%	30	25.2	140	0.65	450
CF322522-1R0M	1.0±20%	30	7.96	120	0.70	400
CF322522-1R2M	1.2±20%	30	7.96	100	0.75	390
CF322522-1R5M	1.5±20%	30	7.96	85	0.85	370
CF322522-1R8M	1.8±20%	30	7.96	80	0.90	350
CF322522-2R2M	2.2±20%	30	7.96	75	1.00	320
CF322522-2R7M	2.7±20%	30	7.96	70	1.10	290
CF322522-3R3K	3.3±10%	30	7.96	60	1.20	260
CF322522-3R9K	3.9±10%	30	7.96	55	1.30	250
CF322522-4R7K	4.7±10%	30	7.96	50	1.50	220
CF322522-5R6K	5.6±10%	30	7.96	47	1.60	200
CF322522-6R8K	6.8±10%	30	7.96	43	1.80	180
CF322522-8R2K	8.2±10%	30	7.96	40	2.00	170
CF322522-100K	10.0±10%	30	2.52	36	2.10	150
CF322522-120K	12.0±10%	30	2.52	33	2.50	140
CF322522-150K	15.0±10%	30	2.52	28	2.80	130
CF322522-180K	18.0±10%	30	2.52	25	3.30	120
CF322522-220K	22.0±10%	30	2.52	23	3.70	110
CF322522-270K	27.0±10%	30	2.52	18	5.00	80
CF322522-330K	33.0±10%	30	2.52	17	5.60	70
CF322522-390K	39.0±10%	30	2.52	16	6.40	65
CF322522-470K	47.0±10%	30	2.52	15	7.00	60
CF322522-560K	56.0±10%	30	2.52	13	8.00	55
CF322522-680K	68.0±10%	30	2.52	12	9.00	50
CF322522-820K	82.0±10%	30	2.52	11	10.00	45
CF322522-101K	100±10%	20	0.796	10	11.00	40
CF322522-121K	120±10%	20	0.796	10	12.00	70
CF322522-151K	150±10%	20	0.796	8	15.00	65
CF322522-181K	180±10%	20	0.796	7	17.00	60
CF322522-221K	220±10%	20	0.796	7	21.00	50