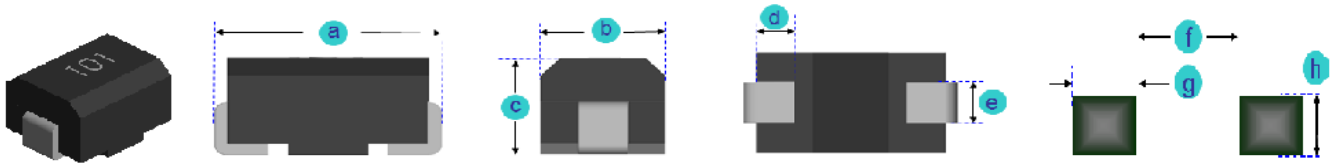
A. Electrical Specifications:

P/N	L (uH)	Tol.	Q Min.	Test Freq.(MHz)	SRF Min.(MHz)	DCR Max. (Ω)	Rated Current Max.(mA)
CF453232-R10_	0.10	M, K	35	25.2	300	0.18	800
CF453232-R12_	0.12	M, K	35	25.2	280	0.20	770
CF453232-R15_	0.15	M, K	35	25.2	250	0.22	730
CF453232-R18_	0.18	M, K	35	25.2	220	0.24	700
CF453232-R22_	0.22	M, K	40	25.2	200	0.25	665
CF453232-R27_	0.27	M, K	40	25.2	180	0.26	635
CF453232-R33_	0.33	M, K	40	25.2	165	0.28	605
CF453232-R39_	0.39	M, K	40	25.2	150	0.30	575
CF453232-R47_	0.47	M, K	40	25.2	145	0.32	545
CF453232-R56_	0.56	M, K	40	25.2	140	0.36	520
CF453232-R68_	0.68	M, K	40	25.2	135	0.40	500
CF453232-R82_	0.82	M, K	40	25.2	130	0.45	475
CF453232-1R0_	1.0	K, J	50	7.96	100	0.50	450
CF453232-1R2_	1.2	K, J	50	7.96	80	0.55	430
CF453232-1R5_	1.5	K, J	50	7.96	70	0.60	410
CF453232-1R8_	1.8	K, J	50	7.96	60	0.65	390
CF453232-2R2_	2.2	K, J	50	7.96	55	0.70	380
CF453232-2R7_	2.7	K, J	50	7.96	50	0.75	370
CF453232-3R3_	3.3	K, J	50	7.96	45	0.80	355
CF453232-3R9_	3.9	K, J	50	7.96	40	0.90	330
CF453232-4R7_	4.7	K, J	50	7.96	35	1.00	315
CF453232-5R6_	5.6	K, J	50	7.96	33	1.10	300
CF453232-6R8_	6.8	K, J	50	7.96	27	1.20	285
CF453232-8R2_	8.2	K, J	50	7.96	25	1.40	270
CF453232-100_	10	K, J	50	2.52	20	1.60	250
CF453232-120_	12	K, J	50	2.52	18	2.00	225
CF453232-150_	15	K, J	50	2.52	17	2.50	200
CF453232-180_	18	K, J	50	2.52	15	2.80	190
CF453232-220_	22	K, J	50	2.52	13	3.20	180
CF453232-270_	27	K, J	50	2.52	12	3.60	170
CF453232-330_	33	K, J	50	2.52	11	4.00	160
CF453232-390_	39	K, J	50	2.52	10	4.50	150
CF453232-470_	47	K, J	50	2.52	10	5.00	140
CF453232-560_	56	K, J	50	2.52	9.0	5.50	135
CF453232-680_	68	K, J	50	2.52	9.0	6.00	130
CF453232-820_	82	K, J	50	2.52	8.0	7.00	120
CF453232-101_	100	K, J	40	0.796	8.0	8.00	110
CF453232-121_	120	K, J	40	0.796	6.0	8.00	110
CF453232-151_	150	K, J	40	0.796	5.0	9.00	105
CF453232-181_	180	K, J	40	0.796	5.0	9.50	102
CF453232-221_	220	K, J	40	0.796	4.0	10.00	100
CF453232-271_	270	K, J	40	0.796	4.0	12.00	92
CF453232-331_	330	K, J	40	0.796	3.5	14.00	85
CF453232-391_	390	K, J	40	0.796	3.0	18.00	80
CF453232-471_	470	K, J	40	0.796	3.0	26.00	62
CF453232-561_	560	K, J	30	0.796	3.0	30.00	50
CF453232-681_	680	K, J	30	0.796	3.0	30.00	50
CF453232-821_	820	K, J	30	0.796	2.5	35.00	30
CF453232-102_	1000	K, J	20	0.252	2.5	40.00	30

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g	h
CF453232	4.5 (0.177)	3.2 (0.126)	3.2 (0.126)	1.0 (0.039)	1.2 (0.047)	3.0 (0.118)	1.5 (0.059)	2.6 (0.102)
Tol.	±0.3 (0.012)	±0.2 (0.008)	±0.2 (0.008)	Typ.	Typ.	Typ.	Typ.	Typ.



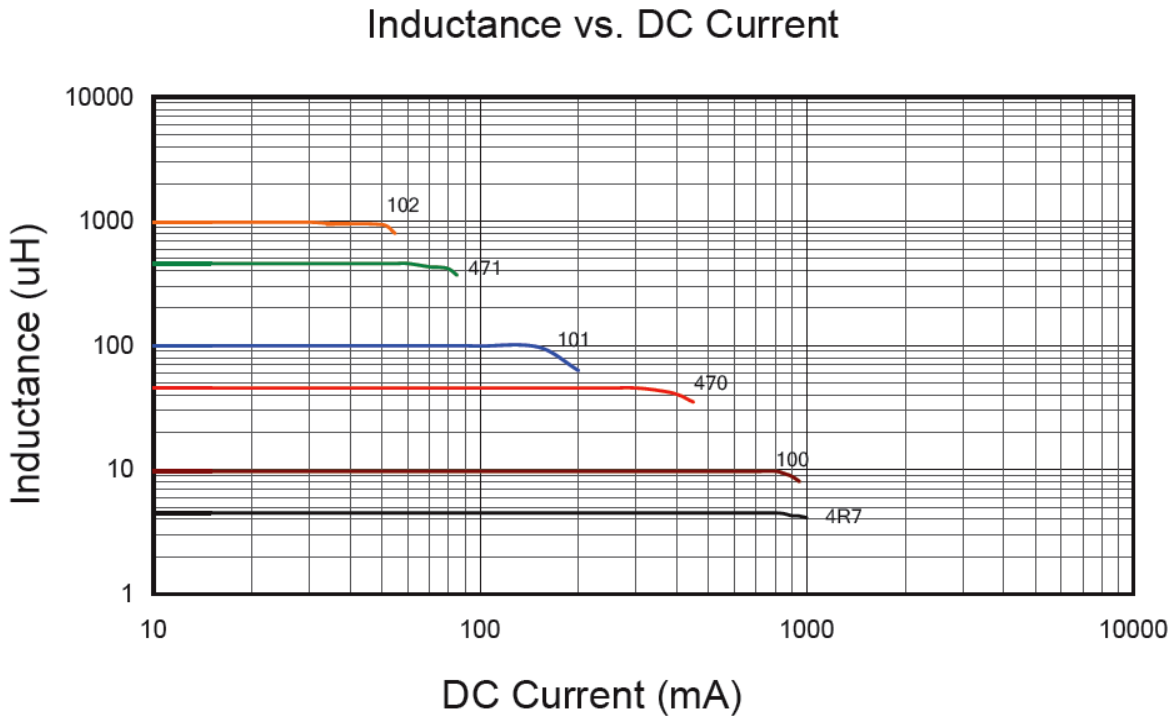
C. General Information:

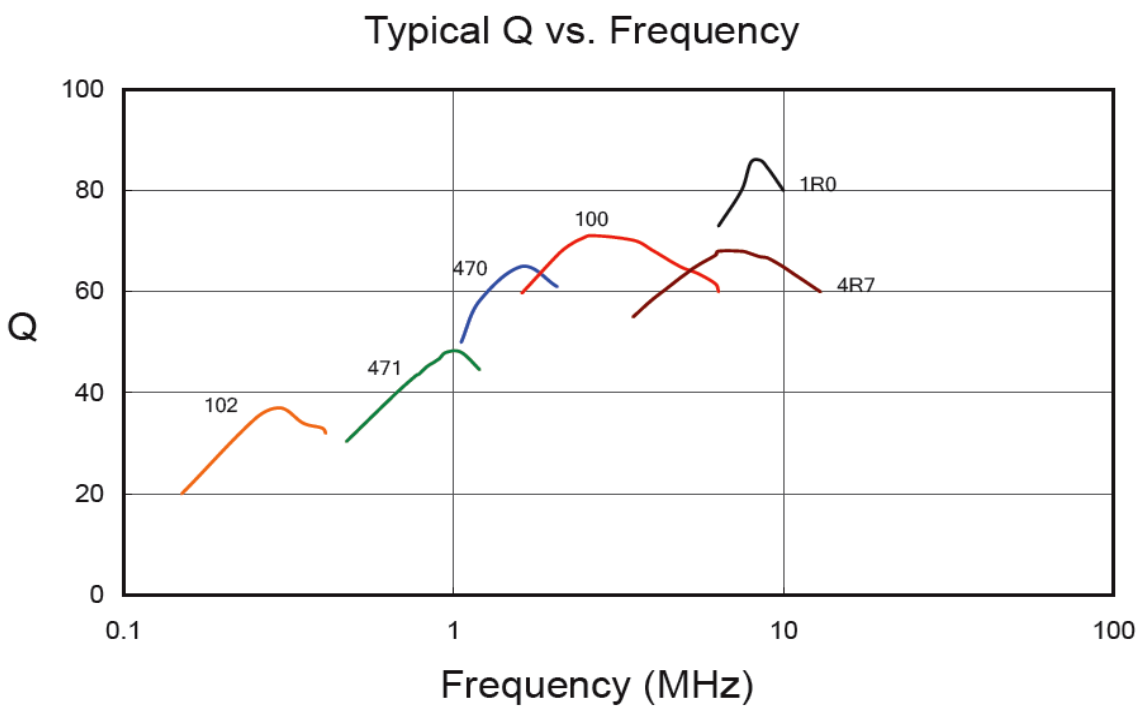
1. CF453232 –xxx_, “CF453232” = P/N, “xxx” = Inductance, “_” = Tolerance, M: ± 20%, L: ± 15%, K: ± 10%, J: ± 5%.
2. Tolerance “_”: M: ± 20%, K: ± 10%, J: ± 5%
3. Small and lightweight surface mounting type
4. High Q at high frequency
5. High self-resonance frequency
6. 20ºC Temperature Rise, Ambient temperature 80ºC Max.
7. Rated Current: Current cause inductance drops within 10% from 0ºC to 50ºC
8. Resistance to solder heat: 260ºC 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 +100ºC
13. Storage Temperature Range: -40°C to +100ºC
14. Inductance and Current Range: From 0.10 uH (800 mA) to 1000 uH (30 mA)
15. SRF: From 2.5 MHz to 300 MHz
16. DCR: From 0.18 OHM to 40.0 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 Curves:





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