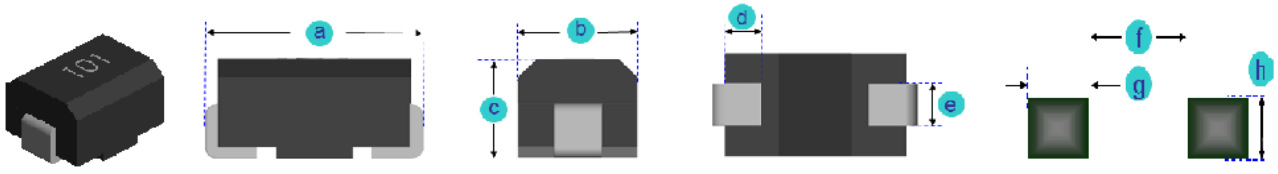
A. Electrical Specifications:

P/N	L(uH)	Tol.	Q Min.	TestFreq.(MHz)	SRF Min.(MHz)	DCR Max. (Ω)	Rated Current Max.(mA)
CF252018-10N_	0.010	M, K, J	15	100	2150	0.26	530
CF252018-12N_	0.012	M, K, J	15	100	2050	0.27	500
CF252018-15N_	0.015	M, K, J	15	100	2000	0.29	480
CF252018-18N_	0.018	M, K, J	15	100	1850	0.31	450
CF252018-22N_	0.022	M, K, J	15	100	1650	0.37	420
CF252018-27N_	0.027	M, K, J	15	100	1550	0.40	410
CF252018-33N_	0.033	M, K, J	20	100	1450	0.42	400
CF252018-39N_	0.039	M, K, J	20	100	1350	0.45	380
CF252018-47N_	0.047	M, K, J	20	100	1200	0.50	360
CF252018-56N_	0.056	M, K, J	20	100	1100	0.60	340
CF252018-68N_	0.068	M, K, J	20	100	1050	0.65	320
CF252018-82N_	0.082	M, K, J	20	100	900	0.75	300
CF252018-R10_	0.10	M, K, J	20	100	800	0.80	280
CF252018-R12_	0.12	M, K, J	30	25.2	700	0.30	550
CF252018-R15_	0.15	M, K, J	30	25.2	550	0.35	500
CF252018-R18_	0.18	M, K, J	30	25.2	500	0.40	460
CF252018-R22_	0.22	M, K, J	30	25.2	450	0.50	430
CF252018-R27_	0.27	M, K, J	30	25.2	425	0.55	420
CF252018-R33_	0.33	M, K, J	30	25.2	400	0.60	400
CF252018-R39_	0.39	M, K, J	30	25.2	375	0.65	375
CF252018-R47_	0.47	M, K, J	30	25.2	350	0.68	350
CF252018-R56_	0.56	M, K, J	30	25.2	325	0.75	325
CF252018-R68_	0.68	M, K, J	30	25.2	300	0.85	300
CF252018-R82_	0.82	M, K, J	30	25.2	260	1.00	260
CF252018-1R0_	1.0	K, J	30	7.96	245	1.10	245
CF252018-1R2_	1.2	K, J	30	7.96	230	1.20	230
CF252018-1R5_	1.5	K, J	30	7.96	182	1.30	220
CF252018-1R8_	1.8	K, J	30	7.96	135	1.45	210
CF252018-2R2_	2.2	K, J	30	7.96	105	1.55	200
CF252018-2R7_	2.7	K, J	30	7.96	70	1.70	195
CF252018-3R3_	3.3	K, J	30	7.96	55	1.90	185
CF252018-3R9_	3.9	K, J	30	7.96	48	2.10	180
CF252018-4R7_	4.7	K, J	30	7.96	43	2.30	175
CF252018-5R6_	5.6	K, J	25	7.96	42	2.50	170
CF252018-6R8_	6.8	K, J	25	7.96	39	2.70	165
CF252018-8R2_	8.2	K, J	25	7.96	36	3.05	160
CF252018-100_	10.0	K, J	25	2.52	33	3.50	155
CF252018-120_	12.0	K, J	25	2.52	30	3.80	150
CF252018-150_	15.0	K, J	25	2.52	26	4.40	140
CF252018-180_	18.0	K, J	25	2.52	24	4.80	130
CF252018-220_	22.0	K, J	25	2.52	22	5.50	125
CF252018-270_	27.0	K, J	25	2.52	21	6.30	115
CF252018-330_	33.0	K, J	25	2.52	20	7.10	110
CF252018-390_	39.0	K, J	20	2.52	18	9.50	90
CF252018-470_	47.0	K, J	20	2.52	17	11.10	80
CF252018-560_	56.0	K, J	20	2.52	16	12.10	75
CF252018-680_	68.0	K, J	20	2.52	15	16.60	70
CF252018-820_	82.0	K, J	20	2.52	13	19.00	66
CF252018-101_	100.0	K, J	15	0.796	12	21.00	60

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g	h
CF252018	2.8 (0.110)	2.0 (0.079)	1.8 (0.071)	0.4 (0.016)	1.4 (0.055)	1.5 (0.059))	1.0 (0.039)	1.5 (0.059)
Tol.	±0.3 (0.012)	±0.1 (0.004)	±0.1 (0.004)	Typ.	±0.1 (0.004)	Typ.	Typ.	Typ.



C. General Information:

1. CF252018 –xxx_, "CF252018" = 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: -40°C to +85ºC
13. Storage Temperature Range: -40°C to +85ºC
14. Inductance and Current Range: From 0.010 uH (530 mA) to 100 uH (60 mA)
15. SRF: From 12 MHz to 2150 MHz
16. DCR: From 0.26 OHM to 21.0 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: