

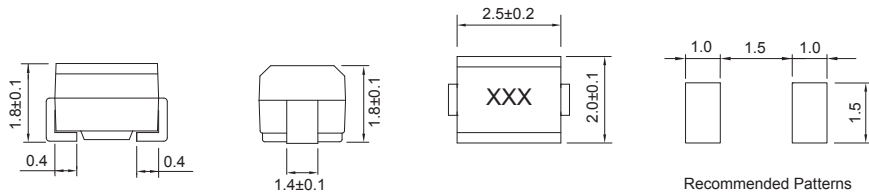
# CF252018 Series

## ■ SMD Molded Wire Wound Ferrite Chip

### MECHANICAL DIMENSIONS



CF252018



Recommended Patterns

unit: mm

### ELECTRICAL SPECIFICATION

Part Number	Inductance (μH)	Inductance Tolerance	Q (min.)	Test Freq. (MHz)	DCR (Ω) Max.	SRF (MHz) Min.	Rated Current (mA) Max.
CF252018-10N □ -LRH	0.010	M, K, J	15	100	0.26	2150	530
CF252018-12N □ -LRH	0.012	M, K, J	15	100	0.27	2050	500
CF252018-15N □ -LRH	0.015	M, K, J	15	100	0.29	2000	480
CF252018-18N □ -LRH	0.018	M, K, J	15	100	0.31	1850	450
CF252018-22N □ -LRH	0.022	M, K, J	15	100	0.37	1650	420
CF252018-27N □ -LRH	0.027	M, K, J	15	100	0.40	1550	410
CF252018-33N □ -LRH	0.033	M, K, J	20	100	0.42	1450	400
CF252018-39N □ -LRH	0.039	M, K, J	20	100	0.45	1350	380
CF252018-47N □ -LRH	0.047	M, K, J	20	100	0.50	1200	360
CF252018-56N □ -LRH	0.056	M, K, J	20	100	0.60	1100	340
CF252018-68N □ -LRH	0.068	M, K, J	20	100	0.65	1050	320
CF252018-82N □ -LRH	0.082	M, K, J	20	100	0.75	900	300
CF252018-R10 □ -LRH	0.10	M, K, J	20	100	0.80	800	280
CF252018-R12 □ -LRH	0.12	M, K, J	30	25.2	0.30	700	550
CF252018-R15 □ -LRH	0.15	M, K, J	30	25.2	0.35	550	500
CF252018-R18 □ -LRH	0.18	M, K, J	30	25.2	0.40	500	460
CF252018-R22 □ -LRH	0.22	M, K, J	30	25.2	0.50	450	430
CF252018-R27 □ -LRH	0.27	M, K, J	30	25.2	0.55	425	420
CF252018-R33 □ -LRH	0.33	M, K, J	30	25.2	0.60	400	400
CF252018-R39 □ -LRH	0.39	M, K, J	30	25.2	0.65	375	375
CF252018-R47 □ -LRH	0.47	M, K, J	30	25.2	0.68	350	350
CF252018-R56 □ -LRH	0.56	M, K, J	30	25.2	0.75	325	325
CF252018-R68 □ -LRH	0.68	M, K, J	30	25.2	0.85	300	300
CF252018-R82 □ -LRH	0.82	M, K, J	30	25.2	1.00	260	260
CF252018-1R0 □ -LRH	1.0	K, J	30	7.96	1.10	245	245
CF252018-1R2 □ -LRH	1.2	K, J	30	7.96	1.20	230	230
CF252018-1R5 □ -LRH	1.5	K, J	30	7.96	1.30	182	220
CF252018-1R8 □ -LRH	1.8	K, J	30	7.96	1.45	135	210
CF252018-2R2 □ -LRH	2.2	K, J	30	7.96	1.55	105	200
CF252018-2R7 □ -LRH	2.7	K, J	30	7.96	1.70	70	195
CF252018-3R3 □ -LRH	3.3	K, J	30	7.96	1.90	55	185
CF252018-3R9 □ -LRH	3.9	K, J	30	7.96	2.10	48	180
CF252018-4R7 □ -LRH	4.7	K, J	30	7.96	2.30	43	175
CF252018-5R6 □ -LRH	5.6	K, J	25	7.96	2.50	42	170
CF252018-6R8 □ -LRH	6.8	K, J	25	7.96	2.70	39	165
CF252018-8R2 □ -LRH	8.2	K, J	25	7.96	3.05	36	160
CF252018-100 □ -LRH	10.0	K, J	25	2.52	3.50	33	155
CF252018-120 □ -LRH	12.0	K, J	25	2.52	3.80	30	150
CF252018-150 □ -LRH	15.0	K, J	25	2.52	4.40	26	140
CF252018-180 □ -LRH	18.0	K, J	25	2.52	4.80	24	130
CF252018-220 □ -LRH	22.0	K, J	25	2.52	5.50	22	125
CF252018-270 □ -LRH	27.0	K, J	25	2.52	6.30	21	115

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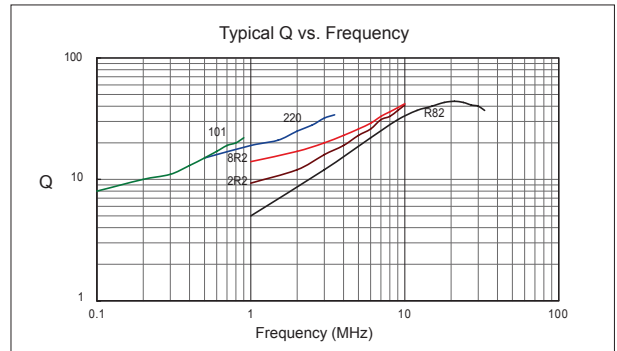
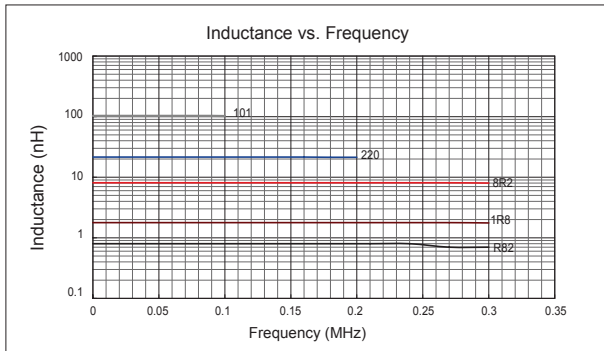
### ELECTRICAL SPECIFICATION

Part Number	Inductance (μH)	Inductance Tolerance	Q (min.)	Test Freq. (MHz)	DCR (Ω) Max.	SRF (MHz) Min.	Rated Current (mA) Max.
CF252018-330 □ -LRH	33.0	K, J	25	2.52	7.10	20	110
CF252018-390 □ -LRH	39.0	K, J	20	2.52	9.50	18	90
CF252018-470 □ -LRH	47.0	K, J	20	2.52	11.10	17	80
CF252018-560 □ -LRH	56.0	K, J	20	2.52	12.10	16	75
CF252018-680 □ -LRH	68.0	K, J	20	2.52	16.60	15	70
CF252018-820 □ -LRH	82.0	K, J	20	2.52	19.00	13	66
CF252018-101 □ -LRH	100.0	K, J	15	0.796	21.00	12	60

- Tolerance: M=±20% ; K=±10% ; J=±5%.
- Operating Temperature Range: -40°C to +85°C
- Storage Temperature Range: -40°C to +85°C
- For 20°C Temperature Rise.
- Inductance & Q measured using the HP4285A.
- SRF measured using the HP8753E or HP4291B.
- DCR measured using the 16502 milli-ohm meter.
- Resistance to solder heat: 260°C for 10 seconds.

### CHARACTERISTIC CURVE

#### CF252018 Series



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