

Wire Wound Chip Ceramics Inductors

CERAMICS INDUCTORS

PRODUCT CATALOG



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Wire Wound Chip Ceramics Inductors

◎ Product introduction 產品介紹

- Ceramic body and wire wound construction provide high Q and SRFs
陶磁體繞線結構高Q值與自諧頻率
- Excellent Q factor and SRF characteristics
優良的品質因數和超導特性
- The non-magnetic coil form assures utmost thermal stability, predictability and batch consistency
非磁性線圈的形式保證最大的熱穩定性、可預測性和批量一致性
- Terminal electrode has been electroplated, suitable flow soldering, reflow soldering an arbitrary welding method
端子電極已經過電鍍，可適用流動焊接，回流焊接任意一種焊接工法



◎ Product application 產品應用

- Security system and other RF modules 安全系統和其它RF模塊
- Remote control 遠程控制
- Wireless LAN/ mouse/ keyboard/ earphone 無線局域網/鼠標/鍵盤/耳機
- RF products for cellular phone 手機射頻產品
- GPS receiver GPS產品

◎ Product Identification 產品標識

CF 02 - 2N2 K T

CF-----Series name 系列名稱

02-----Dimension 產品尺寸

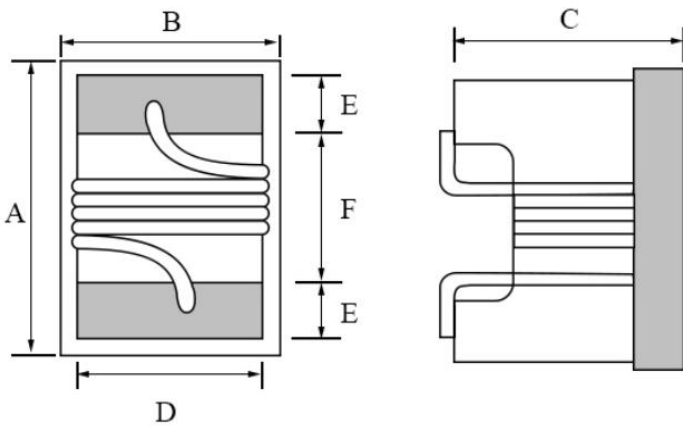
2N2-----Inductance 電感值【2N2=2.2nH, 22N=22nH, R22=220nH】

K-----Tolerance 公差【S=±0.3, D=±0.5, J=5%, K=10%, L= 15%】

T-----Taping 編帶盤裝

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◎Shape&Dimensions 形狀與尺寸:

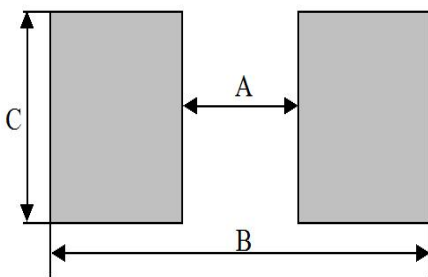


UNIT: mm

PART NUMBER	A	B	C	D	E	F	CHIPS REEL
CF02	1.19 max	0.66 max	0.66 max	0.60 max	0.30 max	0.50 max	10K
CF03	1.80 max	1.2 max	1.1 max	0.85 max	0.40 max	0.92 max	4K
CF05	2.30 max	1.7 max	1.45 max	1.38 max	0.60 max	1.03 max	4K
CF08	2.80 max	2.7 max	2.10 max	2.20 max	0.60 max	1.50 max	3K
CF10	3.50 max	2.9 max	2.25 max	2.50 max	0.60 max	2.20 max	2K
CF12	4.80 max	3.4 max	3.15 max	2.60 max	0.70 max	3.00 max	2K

◎Recommender Land Pattern 推薦焊盤布局:

UNIT: mm



PART NUMBER	A	B	C
CF02	0.25	1.40	1.00
CF03	0.30	2.10	1.30
CF05	0.55	2.70	2.10
CF08	0.70	3.50	3.20
CF10	1.00	4.40	3.50
CF12	1.90	5.50	4.00

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CF02-1N0	1.0	J / K / L	250	10	3000	0.07	1.00
CF02-2N0	2.0	J / K / L	250	15	3000	0.07	0.96
CF02-2N2	2.2	J / K / L	250	15	3000	0.10	0.82
CF02-2N7	2.7	J / K / L	250	15	3000	0.12	0.90
CF02-3N3	3.3	J / K / L	250	12	3000	0.10	0.80
CF02-3N6	3.6	J / K / L	250	18	3000	0.10	0.80
CF02-3N9	3.9	J / K / L	250	18	3000	0.10	0.80
CF02-4N7	4.7	J / K / L	250	15	3000	0.20	0.75
CF02-5N1	5.1	J / K / L	250	22	3000	0.15	0.75
CF02-5N6	5.6	J / K / L	250	15	3000	0.10	0.70
CF02-6N8	6.8	J / K / L	250	20	3000	0.15	0.65
CF02-7N5	7.5	J / K / L	250	24	3000	0.11	0.65
CF02-8N2	8.2	J / K / L	250	24	3000	0.11	0.65
CF02-9N0	9.0	J / K / L	250	24	3000	0.18	0.65
CF02-10N	10.0	J / K / L	250	24	3000	0.28	0.51
CF02-12N	12.0	J / K / L	250	24	3000	0.12	0.60
CF02-15N	15.0	J / K / L	250	14	3000	0.25	0.55
CF02-22N	22.0	J / K / L	250	25	2750	0.40	0.38
CF02-27N	27.0	J / K / L	250	25	2430	0.45	0.38
CF02-30N	30.0	J / K / L	250	25	2350	0.50	0.38
CF02-33N	33.0	J / K / L	250	25	2350	0.65	0.38
CF02-39N	39.0	J / K / L	250	24	2050	0.75	0.25
CF02-47N	47.0	J / K / L	250	20	2050	0.80	0.20
CF02-51N	51.0	J / K / L	250	25	1860	0.90	0.20
CF02-56N	56.0	J / K / L	250	25	1760	0.97	0.09
CF02-68N	68.0	J / K / L	250	24	1600	1.15	0.17
CF02-82N	92.0	J / K / L	250	24	1600	1.80	0.14
CF02-R10	100.0	J / K / L	250	25	1600	2.60	0.13
CF02-R12	120.0	J / K / L	250	25	1100	3.00	0.11

Tolerance: J=5%, K=10%, L= 15%

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CF03-6N8	6.8	J / K	250	27	5800	0.11	0.7
CF03-8N2	8.2	J / K	250	28	4600	0.12	0.7
CF03-10N	10	J / K	250	31	4800	0.13	0.7
CF03-12N	12	J / K	250	35	4000	0.13	0.7
CF03-15N	15	J / K	250	30	4000	0.15	0.7
CF03-18N	18	J / K	250	35	3100	0.17	0.7
CF03-22N	22	J / K	250	38	3000	0.19	0.7
CF03-27N	27	J / K	250	36	2800	0.22	0.6
CF03-33N	33	J / K	250	36	2300	0.22	0.6
CF03-39N	39	J / K	250	40	2200	0.25	0.6
CF03-47N	47	J / K	200	36	2000	0.28	0.6
CF03-56N	56	J / K	200	38	1900	0.28	0.6
CF03-68N	68	J / K	200	36	1700	0.34	0.6
CF03-82N	82	J / K	150	34	1700	0.55	0.4
CF03-R10	100	J / K	150	30	1400	0.63	0.4
CF03-R12	120	J / K	150	32	1300	0.73	0.3
CF03-R15	150	J / K	150	28	990	0.80	0.28
CF03-R18	180	J / K	100	25	990	1.35	0.24
CF03-R22	220	J / K	100	25	900	1.60	0.2
CF03-R27	270	J / K	100	24	520	1.40	0.17
CF03-R33	330	J / K	100	24	500	1.60	0.16
CF03-R39	390	J / K	100	24	400	2.20	0.15

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CF05-5N6	5.6	J / K	1000	50	5500	0.065	0.6
CF05-6N8	6.8	J / K	1000	50	5500	0.110	0.6
CF05-8N2	8.2	J / K	1000	35	4700	0.200	0.6
CF05-10N	10	J / K	500	50	4200	0.150	0.6
CF05-12N	12	J / K	500	50	4000	0.150	0.6
CF05-15N	15	J / K	500	45	3400	0.170	0.6
CF05-18N	18	J / K	500	50	3300	0.200	0.6
CF05-22N	22	J / K	500	55	2600	0.220	0.5
CF05-27N	27	J / K	500	55	2500	0.250	0.5
CF05-33N	33	J / K	500	55	2050	0.270	0.5
CF05-39N	39	J / K	500	55	2000	0.290	0.5
CF05-47N	47	J / K	500	55	1650	0.310	0.5
CF05-56N	56	J / K	500	55	1550	0.340	0.5
CF05-68N	68	J / K	500	55	1450	0.380	0.5
CF05-82N	82	J / K	500	55	1300	0.420	0.5
CF05-R10	100	J / K	500	50	1200	0.460	0.4
CF05-R12	120	J / K	250	45	1100	0.510	0.4
CF05-R15	150	J / K	250	45	920	0.560	0.4
CF05-R18	180	J / K	250	45	870	0.640	0.4
CF05-R22	220	J / K	250	40	850	1.050	0.4
CF05-R27	270	J / K	250	40	650	1.100	0.35
CF05-R33	330	J / K	250	40	600	1.400	0.31
CF05-R39	390	J / K	250	40	560	1.500	0.29
CF05-R47	470	J / K	100	33	375	2.000	0.25
CF05-R56	560	J / K	50	23	340	1.900	0.23
CF05-R68	680	J / K	50	23	300	2.100	0.19
CF05-R75	750	J / K	50	23	280	2.120	0.18
CF05-R82	820	J / K	50	23	250	2.140	0.18
CF05-1R0	1000	J / K	50	20	200	2.400	0.17
CF05-1R2	1200	J / K	50	18	180	2.550	0.17

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CF05-1R5	1500	J / K	50	18	170	2.800	0.16
CF05-1R8	1800	J / K	50	18	140	3.800	0.15

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ORDERING CORE	Inductance (nH)	Inductance Tolerance	L、Q Test Frequencyz (MHz)	Q (Min)	SRF(MHz) MIN	RDC (MAX) (Ω)	Rated Current Max(A)
CF08-5N6	5.6	J / K	1000	30	6000	0.180	1
CF08-8N2	8.2	J / K	1000	35	5000	0.050	1
CF08-10N	10	J / K	350	65	4100	0.080	1
CF08-12N	12	J / K	350	65	3300	0.090	1
CF08-15N	15	J / K	350	65	2500	0.150	1
CF08-18N	18	J / K	350	60	2500	0.110	1
CF08-22N	22	J / K	350	60	2400	0.120	1
CF08-27N	27	J / K	350	60	1600	0.130	1
CF08-33N	33	J / K	350	60	1600	0.140	1
CF08-39N	39	J / K	350	60	1500	0.150	1
CF08-47N	47	J / K	100	45	1500	0.160	1
CF08-56N	56	J / K	100	45	1100	0.180	1
CF08-68N	68	J / K	100	45	1000	0.200	1
CF08-82N	82	J / K	100	45	1000	0.220	1
CF08-R10	100	J / K	100	45	1000	0.560	0.65
CF08-R12	120	J / K	100	45	950	0.630	0.65
CF08-R15	150	J / K	100	45	800	0.700	0.58
CF08-R18	180	J / K	100	45	640	0.770	0.62
CF08-R22	220	J / K	100	45	620	0.840	0.5
CF08-R27	270	J / K	50	35	600	0.910	0.5
CF08-R33	330	J / K	100	35	500	1.050	0.45
CF08-R39	390	J / K	100	45	480	1.120	0.47
CF08-R47	470	J / K	100	45	450	1.190	0.47
CF08-R56	560	J / K	100	45	415	1.330	0.4
CF08-R68	680	J / K	100	45	375	1.470	0.4
CF08-R75	750	J / K	100	45	300	1.540	0.4
CF08-R82	820	J / K	100	45	250	1.610	0.4
CF08-1R0	1000	J / K	50	35	210	1.750	0.37
CF08-1R2	1200	J / K	50	30	200	2.000	0.31
CF08-1R5	1500	J / K	50	20	180	2.300	0.33

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CF08-1R8	1800	J / K	50	20	160	2.600	0.30
CF08-2R2	2200	J / K	50	20	90	2.800	0.28
CF08-2R7	2700	J / K	50	22	80	3.200	0.29
CF08-3R3	3300	J / K	25	22	70	3.400	0.29
CF08-3R9	3900	J / K	26	23	60	3.600	0.26
CF08-4R7	4700	J / K	27	23	60	4.000	0.26
CF08-5R6	5600	J / K	28	24	55	7.600	0.24
CF08-6R8	6800	J / K	29	24	50	8.200	0.20

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CF10-12N	12	J / K	300	40	3200	0.080	1
CF10-15N	15	J / K	300	40	3200	0.100	1
CF10-18N	18	J / K	300	50	2800	0.100	1
CF10-22N	22	J / K	300	50	2200	0.100	1
CF10-27N	27	J / K	300	50	1800	0.110	1
CF10-33N	33	J / K	300	55	1800	0.110	1
CF10-39N	39	J / K	300	55	1800	0.120	1
CF10-47N	47	J / K	300	55	1500	0.130	1
CF10-56N	56	J / K	300	55	1450	0.140	1
CF10-68N	68	J / K	300	55	1200	0.150	0.9
CF10-82N	82	J / K	300	55	1000	0.200	0.9
CF10-R10	100	J / K	300	55	900	0.210	0.85
CF10-R12	120	J / K	300	60	800	0.210	0.8
CF10-R15	150	J / K	300	60	780	0.250	0.75
CF10-R18	180	J / K	300	60	760	0.300	0.7
CF10-R22	220	J / K	300	60	650	0.320	0.67
CF10-R27	270	J / K	300	55	620	0.340	0.63
CF10-R33	330	J / K	150	45	600	0.380	0.59
CF10-R39	390	J / K	150	45	510	0.580	0.53
CF10-R47	470	J / K	150	45	500	0.800	0.49
CF10-R56	560	J / K	150	45	420	1.100	0.46
CF10-R68	680	J / K	150	45	400	1.200	0.43
CF10-R82	820	J / K	150	45	370	1.820	0.4
CF10-1R0	1000	J / K	150	45	340	1.850	0.32
CF10-1R2	1200	J / K	150	35	220	1.870	0.3
CF10-1R5	1500	J / K	50	30	160	1.950	0.31
CF10-1R8	1800	J / K	50	30	160	2.250	0.31
CF10-2R2	2200	J / K	50	30	160	2.410	0.31
CF10-2R7	2700	J / K	25	28	140	2.850	0.30
CF10-3R3	3300	J / K	25	25	110	3.120	0.30

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CF10-3R9	3900	J / K	25	25	100	3.500	0.29
CF10-4R7	4700	J / K	25	20	60	4.000	0.28
CF10-5R6	5600	J / K	7.9	20	50	5.000	0.25
CF10-6R8	6800	J / K	7.9	20	55	8.000	0.23