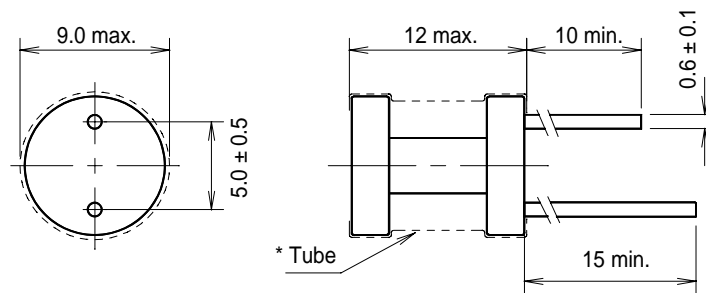


C2F Radial Type Choke Coils

DIMENSIONS (mm):



* $L \leq 330\mu\text{H}$ (UL Tube used), $L \geq 390\mu\text{H}$ (PVC Tube used)

* Length of the terminal pins does not include solder tips.

* Pin pitch to be measured from the root of the terminal.

Electrical Characteristics

TOKO Part No.	Inductance (μH)	Test Freq.	Qu min.	Test Freq.	DCR (Ω) max.	DCI (A) max.	SRF (MHz) min.
C2F-A2R2M	2.2±20%	100 kHz	15	7.96 MHz	0.0095	6.8	84
C2F-A2R7M	2.7±20%	100 kHz	15	7.96 MHz	0.0107	6.7	70
C2F-A3R3M	3.3±20%	100 kHz	15	7.96 MHz	0.0122	5.8	58
C2F-A3R9M	3.9±20%	100 kHz	15	7.96 MHz	0.0140	5.4	45
C2F-A4R7M	4.7±20%	100 kHz	15	7.96 MHz	0.0155	5.1	35
C2F-A5R6M	5.6±20%	100 kHz	15	7.96 MHz	0.0172	4.7	28
C2F-A6R8M	6.8±20%	100 kHz	15	7.96 MHz	0.0185	4.3	21
C2F-A8R2M	8.2±20%	100 kHz	15	7.96 MHz	0.0235	4.0	20
C2F-A100K	10±10%	1 kHz	65	2.52 MHz	0.027	3.6	14
C2F-A120K	12±10%	1 kHz	60	2.52 MHz	0.0315	3.1	12
C2F-A150K	15±10%	1 kHz	60	2.52 MHz	0.036	2.8	11
C2F-A180K	18±10%	1 kHz	60	2.52 MHz	0.0405	2.6	10
C2F-A220K	22±10%	1 kHz	50	2.52 MHz	0.045	2.5	9.8
C2F-A270K	27±10%	1 kHz	50	2.52 MHz	0.061	2.2	8.4
C2F-A330K	33±10%	1 kHz	45	2.52 MHz	0.070	2.0	7.7
C2F-A390K	39±10%	1 kHz	45	2.52 MHz	0.075	1.8	7.0
C2F-A470K	47±10%	1 kHz	40	2.52 MHz	0.0865	1.7	6.0
C2F-A560K	56±10%	1 kHz	40	2.52 MHz	0.12	1.5	5.6
C2F-A680K	68±10%	1 kHz	35	2.52 MHz	0.13	1.4	5.0
C2F-A820K	82±10%	1 kHz	35	2.52 MHz	0.15	1.2	4.3
C2F-A101K	100±10%	1 kHz	35	796 kHz	0.18	1.1	4.0
C2F-A121K	120±10%	1 kHz	25	796 kHz	0.20	1.0	3.6
C2F-A151K	150±10%	1 kHz	25	796 kHz	0.26	0.96	3.3
C2F-A181K	180±10%	1 kHz	20	796 kHz	0.30	0.88	3.1
C2F-A221K	220±10%	1 kHz	20	796 kHz	0.41	0.78	2.6
C2F-A271K	270±10%	1 kHz	20	796 kHz	0.46	0.72	2.4
C2F-A331K	330±10%	1 kHz	15	796 kHz	0.53	0.66	2.3
C2F-A391K	390±10%	1 kHz	15	796 kHz	0.63	0.62	2.2
C2F-A471K	470±10%	1 kHz	15	796 kHz	0.71	0.56	2.0
C2F-A561K	560±10%	1 kHz	15	796 kHz	0.88	0.50	1.8

TOKO Part No.	Inductance (μH)	Test Freq.	Qu Min.	Test Freq.	DCR (Ω) max.	DCI (A) max.	SRF (MHz) ref.
C2F-A681K	680 \pm 10%	1 kHz	15	796 kHz	1.1	0.46	1.5
C2F-A821K	820 \pm 10%	1 kHz	15	796 kHz	1.2	0.42	1.4
C2F-A102K	1000 \pm 10%	1 kHz	25	252 kHz	1.5	0.38	1.3
C2F-A122K	1200 \pm 10%	1 kHz	30	252 kHz	1.9	0.34	1.2
C2F-A152K	1500 \pm 10%	1 kHz	30	252 kHz	2.2	0.32	1.0
C2F-A182K	1800 \pm 10%	1 kHz	30	252 kHz	2.7	0.28	0.98
C2F-A222K	2200 \pm 10%	1 kHz	30	252 kHz	3.4	0.26	0.84
C2F-A272K	2700 \pm 10%	1 kHz	45	252 kHz	4.3	0.22	0.77
C2F-A332K	3300 \pm 10%	1 kHz	45	252 kHz	5.0	0.21	0.70
C2F-A392K	3900 \pm 10%	1 kHz	45	252 kHz	6.0	0.19	0.67
C2F-A472K	4700 \pm 10%	1 kHz	45	252 kHz	7.2	0.17	0.52
C2F-A562K	5600 \pm 10%	1 kHz	45	252 kHz	8.2	0.15	0.49
C2F-A682K	6800 \pm 10%	1 kHz	45	252 kHz	10	0.14	0.45
C2F-A822K	8200 \pm 10%	1 kHz	45	252 kHz	13	0.13	0.42
C2F-A103K	10000 \pm 10%	1 kHz	90	79.6 kHz	15	0.11	0.38
C2F-A123K	12000 \pm 10%	1 kHz	90	79.6 kHz	18	0.10	0.35
C2F-A153K	15000 \pm 10%	1 kHz	90	79.6 kHz	25	0.090	0.30
C2F-A183K	18000 \pm 10%	1 kHz	90	79.6 kHz	30	0.080	0.26
C2F-A223K	22000 \pm 10%	1 kHz	90	79.6 kHz	35	0.070	0.25
C2F-A273K	27000 \pm 10%	1 kHz	90	79.6 kHz	47	0.065	0.23
C2F-A333K	33000 \pm 10%	1 kHz	90	79.6 kHz	54	0.060	0.21
C2F-A393K	39000 \pm 10%	1 kHz	65	79.6 kHz	71	0.055	0.18
C2F-A473K	47000 \pm 10%	1 kHz	65	79.6 kHz	81	0.050	0.16
C2F-A563K	56000 \pm 10%	1 kHz	65	79.6 kHz	92	0.045	0.15
C2F-A683K	68000 \pm 10%	1 kHz	50	79.6 kHz	125	0.040	0.13
C2F-A823K	82000 \pm 10%	1 kHz	50	79.6 kHz	142	0.035	0.12
C2F-A104K	100000 \pm 10%	1 kHz	50	79.6 kHz	192	0.030	0.11

◇ Testing Instrument

Inductance: HP4284 or Equivalent.

Q: HP4285A or Equivalent.

D.C.R: Keithley 580 Micro Ohm Meter or Equivalent.

S.R.F.: HP4395A or Equivalent.

Rated Current: HP4284A, HP42841A, HPE3632A, HP34401A or Equivalent.

-Idc 1: The Current when the Inductance decreases to 90% of initial value. (Ta=25°C)

-Idc 2: The Current when the temperature of inductor increases by 40°C. (Ta=25°C)

The Rated Current indicates the smaller one between Idc 1 & Idc 2.

* Test Conditions of Inductance: 2.2 μ H ~ 8.2 μ H at 100kHz / 1V

10 μ H ~ 100000 μ H at 1kHz / 1V

* Test Conditions of Unloaded Q: 2.2 μ H ~ 8.2 μ H at 7.96MHz / 1V

10 μ H ~ 82 μ H at 2.52MHz / 1V

100 μ H ~ 820 μ H at 796kHz / 1V

1000 μ H ~ 8200 μ H at 252kHz / 1V

10000 μ H ~ 100000 μ H at 79.6kHz / 1V



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