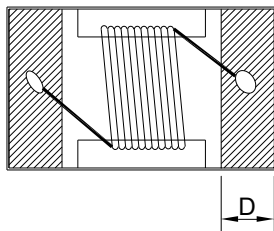
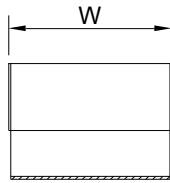
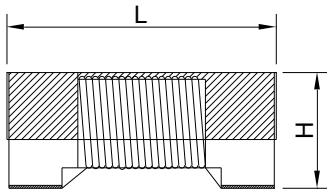


Product Outline

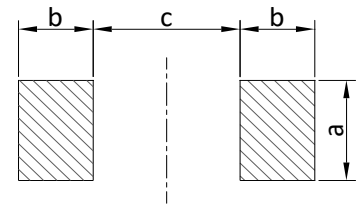
- Provide ferrite wound inductors.
- Has good tin coating property.
- High Q, high natural frequency.
- For signal line filtering.
- Widely used in high frequency circuit of communication equipment, walkie-talkie, Bluetooth, wireless network, broadband network, high frequency module.
- RoHS Compliant.



Dimensions



Recommended Land Patterns



Unit: mm

Type	L	W	H	D	a	b	c	Packaging (pcs/reel)
CWF1608	1.78 Max.	1.10 Max.	0.95 Max.	0.30	1.02	0.64	0.64	4000

Dimensions without tolerance are typical.

Product Identification

CW F 1608 - R10 □
 (1) (2) (3) (4) (5)

(1) Product Series No.

(2) Material: Ferrite Core

(3) Dimensions: 1608=1.6 x 0.8mm(L x W)

(4) Inductance Value:

1N0=1.0nH 10N=10nH R10=100nH 1R0=1.0μH

100=10μH 101=100μH 102=1mH

(5) Tolerance:

J=±5% K=±10%

Electrical Characteristics(at 25°C)

Part Number	Tolerance	Inductance ① (uH)	Inductance Test Conditions	Q value Min.	Q value Test Freq. (MHz)	DCR ② (Ω)Max.	Irated ③ (mA)	SRF(MHz) Min.
CWF1608-047□	J, K	0.047	7.9MHz/0.5V	12	7.9	0.10	1000	1500
CWF1608-072□	J, K	0.072	7.9MHz/0.5V	12	7.9	0.12	1000	1400
CWF1608-082□	J, K	0.082	7.9MHz/0.5V	12	7.9	0.10	1000	1300
CWF1608-R10□	J, K	0.10	7.9MHz/0.5V	12	7.9	0.13	1000	1150
CWF1608-R12□	J, K	0.12	7.9MHz/0.5V	12	7.9	0.16	1000	1100
CWF1608-R15□	J, K	0.15	7.9MHz/0.5V	12	7.9	0.15	1000	1050
CWF1608-R18□	J, K	0.18	7.9MHz/0.5V	12	7.9	0.18	1000	950
CWF1608-R22□	J, K	0.22	7.9MHz/0.5V	12	7.9	0.20	900	900
CWF1608-R24□	J, K	0.24	7.9MHz/0.5V	12	7.9	0.28	850	800
CWF1608-R27□	J, K	0.27	7.9MHz/0.5V	12	7.9	0.30	700	775
CWF1608-R33□	J, K	0.33	7.9MHz/0.5V	12	7.9	0.32	600	725
CWF1608-R39□	J, K	0.39	7.9MHz/0.5V	12	7.9	0.51	500	620
CWF1608-R47□	J, K	0.47	7.9MHz/0.5V	12	7.9	0.62	420	540
CWF1608-R56□	J, K	0.56	7.9MHz/0.5V	12	7.9	0.65	400	600
CWF1608-R68□	J, K	0.68	7.9MHz/0.5V	12	7.9	1.00	380	500
CWF1608-R78□	J, K	0.78	7.9MHz/0.5V	12	7.9	1.30	370	450
CWF1608-R82□	J, K	0.82	7.9MHz/0.5V	12	7.9	1.30	350	500
CWF1608-1R0□	J, K	1.0	7.9MHz/0.5V	12	7.9	1.50	330	400
CWF1608-1R2□	J, K	1.2	7.9MHz/0.5V	12	7.9	1.70	320	380
CWF1608-1R5□	J, K	1.5	7.9MHz/0.5V	12	7.9	1.90	310	300
CWF1608-1R8□	J, K	1.8	7.9MHz/0.5V	12	7.9	2.20	300	180
CWF1608-2R2□	J, K	2.2	7.9MHz/0.5V	12	7.9	2.30	280	180
CWF1608-2R7□	J, K	2.7	7.9MHz/0.5V	12	7.9	3.10	250	150
CWF1608-3R3□	J, K	3.3	7.9MHz/0.5V	12	7.9	2.90	230	150
CWF1608-3R9□	J, K	3.9	7.9MHz/0.5V	12	7.9	3.20	210	120
CWF1608-4R7□	J, K	4.7	7.9MHz/0.5V	12	7.9	4.00	200	100

Note:

- ① Inductance tested using an Agilent/HP4286A or equivalent.
- ② DCR measured on a micro-ohmmeter.
- ③ Irated(Rated current): The DC current at which the temperature rise is $\Delta T=40^{\circ}\text{C}(T_a=25^{\circ}\text{C})$.
- ④ "□" Represents the tolerance of inductance: J ($\pm 5\%$); K ($\pm 10\%$).