



Winding Type Chip Inductor

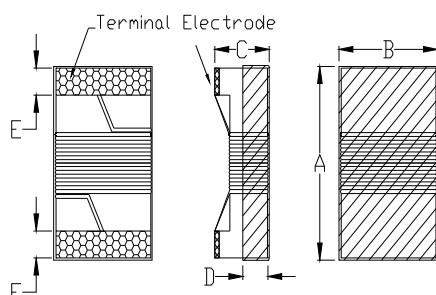
GWF1608CF-SERIES

1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. Application for DC power line.
5. 100% Lead (Pb) & Halogen-Free and RoHS compliant.
6. Operating temperature -40~+125°C (Including self - temperature rise)



2. Dimensions



Size	A	B	C	D	E
GWF1608	1.80 max.	1.20 max.	1.20 max.	0.38 ref.	0.35±0.1

Unit:mm

3. Part Numbering

GWF	1608	C	F	-	47N	K
A	B	C	D		E	F

A: Series

B: Dimension

C: Application

D: Lead free type

E: Inductance

F: Inductance Tolerance

L x W

DC Power Line

47N=0.047 uH

K = ±10%; M=±20%

4. Specification

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
GWF1608CF-47N□	0.047	K,M	0.5V/7.96M	10	7.96	1500	0.075	1400
GWF1608CF-R10□	0.10	K,M	0.5V/7.96M	10	7.96	1150	0.13	1400
GWF1608CF-R12□	0.12	K,M	0.5V/7.96M	10	7.96	1100	0.15	1400
GWF1608CF-R15□	0.15	K,M	0.5V/7.96M	10	7.96	1050	0.15	1300
GWF1608CF-R18□	0.18	K,M	0.5V/7.96M	10	7.96	950	0.15	1300
GWF1608CF-R22□	0.22	K,M	0.5V/7.96M	10	7.96	800	0.15	950
GWF1608CF-R24□	0.24	K,M	0.5V/7.96M	10	7.96	800	0.31	620
GWF1608CF-R27□	0.27	K,M	0.5V/7.96M	10	7.96	775	0.20	710
GWF1608CF-R33□	0.33	K,M	0.5V/7.96M	10	7.96	725	0.35	620
GWF1608CF-R39□	0.39	K,M	0.5V/7.96M	10	7.96	620	0.39	600
GWF1608CF-R47□	0.47	K,M	0.5V/7.96M	10	7.96	540	0.43	570
GWF1608CF-R56□	0.56	K,M	0.5V/7.96M	10	7.96	525	0.47	550
GWF1608CF-R68□	0.68	K,M	0.5V/7.96M	10	7.96	460	0.52	470
GWF1608CF-R82□	0.82	K,M	0.5V/7.96M	10	7.96	410	0.69	400
GWF1608CF-1R0□	1.0	K,M	0.5V/7.96M	10	7.96	190	0.81	400
GWF1608CF-1R2□	1.2	K,M	0.5V/7.96M	10	7.96	160	0.87	370



Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
GWF1608CF-1R5□	1.5	K,M	0.5V/7.96M	10	7.96	100	0.96	350
GWF1608CF-1R8□	1.8	K,M	0.5V/7.96M	10	7.96	80	1.10	350
GWF1608CF-2R2□	2.2	K,M	0.5V/7.96M	10	7.96	68	1.20	320
GWF1608CF-3R3□	3.3	K,M	0.5V/7.96M	10	7.96	42	1.50	280
GWF1608CF-3R9□	3.9	K,M	0.5V/7.96M	10	7.96	40	1.50	280
GWF1608CF-4R7□	4.7	K,M	0.5V/7.96M	10	7.96	34	2.10	260
GWF1608CF-5R6□	5.6	K,M	0.5V/7.96M	10	7.96	32	2.60	240
GWF1608CF-6R8□	6.8	K,M	0.5V/7.96M	10	7.96	31	3.10	200
GWF1608CF-8R2□	8.2	K,M	0.5V/7.96M	10	7.96	26	4.40	190
GWF1608CF-100□	10.0	K,M	0.5V/2.52M	10	2.52	25	4.80	180

