



Winding Type Chip Inductor

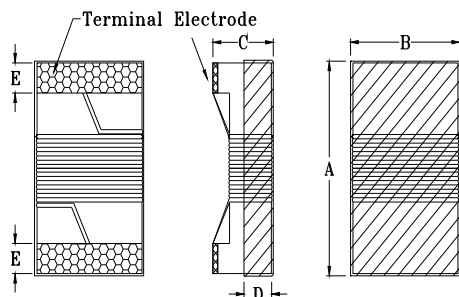
GWF2012CF-SERIES

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
GWF2012	2.40 max.	1.60 max.	1.40 max.	0.51 ref.	0.44±0.1

Unit:mm

3. Part Numbering

GWF	2012	C	F	-	R47	M
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

R47=0.47 uH

K = ±10%, M=±20%

4. Specification

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
GWF2012CF-R47□	0.47	K,M	0.5V/7.96M	10	7.96	750	0.20	720
GWF2012CF-R56□	0.56	K,M	0.5V/7.96M	10	7.96	730	0.21	665
GWF2012CF-R68□	0.68	K,M	0.5V/7.96M	10	7.96	670	0.28	565
GWF2012CF-R82□	0.82	K,M	0.5V/7.96M	10	7.96	650	0.31	545
GWF2012CF-1R0□	1.00	K,M	0.5V/7.96M	10	7.96	615	0.34	525
GWF2012CF-1R2□	1.20	K,M	0.5V/7.96M	10	7.96	550	0.39	473
GWF2012CF-1R5□	1.50	K,M	0.5V/7.96M	10	7.96	520	0.45	300
GWF2012CF-1R8	1.80	K,M	0.5V/7.96M	10	7.96	500	0.48	230
GWF2012CF-2R2□	2.20	K,M	0.5V/7.96M	10	7.96	420	0.67	215



General Components Industry Corporation

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
GWF2012CF-2R7□	2.70	K,M	0.5V/7.96M	10	7.96	410	0.74	140
GWF2012CF-3R3□	3.30	K,M	0.5V/7.96M	10	7.96	385	0.81	95
GWF2012CF-3R9□	3.90	K,M	0.5V/7.96M	10	7.96	372	0.88	57
GWF2012CF-4R7□	4.70	K,M	0.5V/7.96M	10	7.96	345	0.99	51
GWF2012CF-5R6□	5.60	K,M	0.5V/7.96M	10	7.96	335	1.06	44
GWF2012CF-6R8□	6.80	K,M	0.5V/7.96M	10	7.96	315	1.21	39
GWF2012CF-8R2□	8.20	K,M	0.5V/7.96M	10	7.96	295	1.33	33
GWF2012CF-100□	10.0	K,M	0.5V/2.52M	10	2.52	260	1.79	30
GWF2012CF-120□	12.0	K,M	0.5V/2.52M	10	2.52	250	1.98	27
GWF2012CF-150□	15.0	K,M	0.5V/2.52M	10	2.52	215	2.68	22
GWF2012CF-180□	18.0	K,M	0.5V/2.52M	10	2.52	195	3.12	20
GWF2012CF-220□	22.0	K,M	0.5V/2.52M	10	2.52	180	3.48	18
GWF2012CF-270□	27.0	K,M	0.5V/2.52M	10	2.52	170	3.84	16
GWF2012CF-330□	33.0	K,M	0.5V/2.52M	10	2.52	145	4.34	15

