



Winding Type Chip Inductor

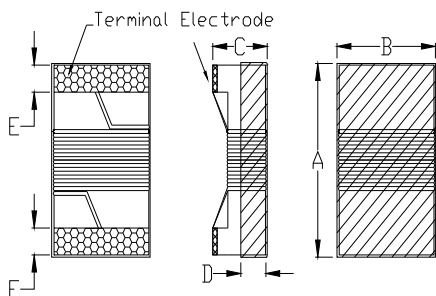
GWF1608LV-SERIES

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 Signal Use.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
6. High reliability -Reliability tests comply with AEC-Q200
7. Operating temperature -55~+125°C (Including self - temperature rise)



2. Dimensions



Size	A	B	C	D	E
GWF1608	1.65±0.15	1.15±0.15	1.05±0.15	0.38 ref.	0.35±0.1

Unit:mm

3. Part Numbering

GWF	1608	L	V	-	R10	K
A	B	C	D		E	F

A: Series

B: Dimension

C: Application

D: Category Code

E: Inductance

F: Inductance Tolerance

L x W

For Signal Use

V=Vehicle

R10=0.1uH

J=±5%,K=±10%

4. Specification

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q Typ	Test Frequency (MHz)	SRF (MHz) typ.	DCR (Ω) max.	IDC (mA) max.
GWF1608LV-47N□	0.047	K	0.5V/7.9M	17	7.9	1700	0.075	1500
GWF1608LV-72N□	0.072	K	0.5V/7.9M	17	7.9	1700	0.12	1500
GWF1608LV-R10□	0.10	K	0.5V/7.9M	17	7.9	1500	0.12	1500
GWF1608LV-R15□	0.15	K	0.5V/7.9M	17	7.9	1350	0.15	1450
GWF1608LV-R18□	0.18	K	0.5V/7.9M	17	7.9	1150	0.15	1400
GWF1608LV-R33□	0.33	K	0.5V/7.9M	17	7.9	850	0.46	900
GWF1608LV-R39□	0.39	K	0.5V/7.9M	17	7.9	810	0.51	1100
GWF1608LV-R47□	0.47	K	0.5V/7.9M	17	7.9	720	0.62	1050
GWF1608LV-R56□	0.56	K	0.5V/7.9M	17	7.9	600	0.44	850
GWF1608LV-R68□	0.68	K	0.5V/7.9M	17	7.9	600	0.52	850
GWF1608LV-R82□	0.82	K	0.5V/7.9M	17	7.9	480	0.69	750
GWF1608LV-R91□	0.91	K	0.5V/7.9M	17	7.9	330	0.76	670
GWF1608LV-1R0□	1.00	K	0.5V/7.9M	17	7.9	310	0.81	600



Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q Typ	Test Frequency (MHz)	SRF (MHz) typ.	DCR (Ω) max.	IDC (mA) max.
GWF1608LV-1R2□	1.20	K	0.5V/7.9M	17	7.9	270	0.87	550
GWF1608LV-1R5□	1.50	K	0.5V/7.9M	17	7.9	270	1.06	540
GWF1608LV-1R8□	1.80	K	0.5V/7.9M	17	7.9	230	1.1	520
GWF1608LV-2R2□	2.20	K	0.5V/7.9M	17	7.9	130	1.2	500
GWF1608LV-2R7□	2.70	K	0.5V/7.9M	17	7.9	105	1.5	480
GWF1608LV-3R3□	3.30	K	0.5V/7.9M	17	7.9	84	1.5	440
GWF1608LV-3R9□	3.90	K	0.5V/7.9M	17	7.9	80	1.6	430
GWF1608LV-4R7□	4.70	J,K	0.5V/7.9M	18	7.9	69	2.1	420
GWF1608LV-5R6□	5.60	J,K	0.5V/7.9M	18	7.9	65	2.6	350
GWF1608LV-6R8□	6.80	J,K	0.5V/7.9M	19	7.9	55	3.1	330
GWF1608LV-7R8□	7.80	J,K	0.5V/7.9M	17	7.9	47	3.5	320
GWF1608LV-8R2□	8.20	J,K	0.5V/7.9M	17	7.9	42	3.8	300
GWF1608LV-100□	10.00	J,K	0.5V/7.9M	19	7.9	40	4.8	270

