

Winding Type Chip Inductor

SWF1608RIF-SERIES-X5

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. 100% Lead (Pb) & Halogen-Free and RoHS compliant.
5. Operating temperature-40~+125°C (Including self - temperature rise)
6. These products provide low DC resistance and high current.
7. Precision inductance tolerance is available.
8. Application for DC power line.



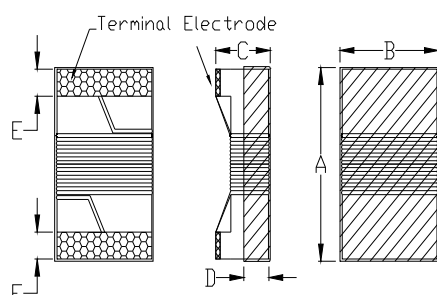
Digital camera and other electronic equipment

Personal computers, Hard disk drives

Mobile Device / Handheld Device / LowProfile Device / Panel

xDSL modem and Cable modem

2. Dimensions



Size	A	B	C	D	E
SWF1608	1.60±0.2	1.00±0.2	1.00±0.1	0.60 ref.	0.35±0.1

Unit:mm

3. Part Numbering

SWF	1608	R	I	F	-	2R2	-	N	X5
A	B	C	D	E		F		G	H

A: Series

B: Dimension L x W

C: Control S/N

D: Material I3C

E: Lead free type

F: Inductance 2R2=2.20uH

G: Inductance Tolerance L=+15%-5%, N=+20%-0%

H: Control S/N

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q/MHz Typ.	SRF (MHz) Typ.	DCR (Ω) ±30%	IDC (mA) Typ.	Irms (mA) Typ.
SWF1608RIF-1R0-□X5	1.0	L,N	0.5V/7.9M	16/7.9	390	0.32	860	700
SWF1608RIF-1R5-□X5	1.5	L,N	0.5V/7.9M	16/7.9	160	0.40	720	600
SWF1608RIF-2R2-□X5	2.2	L,N	0.5V/7.9M	16/7.9	103	0.56	600	580
SWF1608RIF-3R3-□X5	3.3	L,N	0.5V/7.9M	16/7.9	66	0.70	500	500
SWF1608RIF-4R7-□X5	4.7	L,N	0.5V/7.9M	16/7.9	51	0.97	400	420

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q/MHz Typ.	SRF (MHz) Typ.	DCR (Ω) $\pm 30\%$	IDC (mA) Typ.	I _{rms} (mA) Typ.
SWF1608RIF-6R8-□X5	6.8	L,N	0.5V/7.9M	16/7.9	43	1.50	340	340
SWF1608RIF-100-□X5	10.0	L,N	0.5V/2.5M	14/2.5	36	1.85	280	280
SWF1608RIF-150-□X5	15	L,N	0.5V/2.5M	14/2.5	29	2.60	240	240
SWF1608RIF-180-□X5	18	L,N	0.5V/2.5M	14/2.5	28	2.90	220	220
SWF1608RIF-220-□X5	22	L,N	0.5V/2.5M	14/2.5	24	3.61	200	200