

Winding Type Chip Inductor

SWF2012RF-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.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
6. Operating temperature $-40\sim+125^{\circ}\text{C}$ (Including self - temperature rise)
7. These products provide low DC resistance and high current.
8. Precision inductance tolerance is available.
9. Application for DC power line.



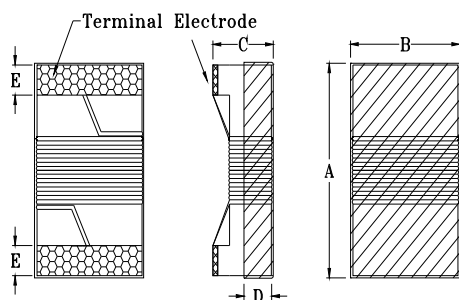
Digital camera and other electronic equipment

Personal computers, Hard disk drives

Mobile Device / Handheld Device / LowProfile Device / Panel

xDSL modem and Cable modem

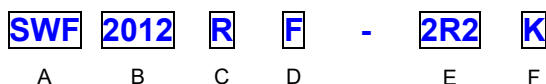
2. Dimensions



Size	A	B	C	D	E
SWF2012	2.20 ± 0.2	1.40 ± 0.2	1.30 ± 0.1	0.65ref.	0.50 ± 0.1

Unit:mm

3. Part Numbering



A: Series

B: Dimension

L x W

C: Control S/N

D: Lead free type

E: Inductance

2R2=2.2 uH

F: Inductance Tolerance

K=±10%, M=±20%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q/MHz Typ.	SRF (MHz) Typ.	DCR (Ω) ±30%.	IDC (mA) Typ.	I _{rms} (mA) Typ.
SWF2012RF-1R0□	1.0	K,M	0.5V/7.9M	14/7.9	208	0.13	1100	1300
SWF2012RF-2R2□	2.2	K,M	0.5V/7.9M	13/7.9	87	0.22	740	1040
SWF2012RF-4R7□	4.7	K,M	0.5V/7.9M	14/7.9	51	0.43	520	840
SWF2012RF-6R8□	6.8	K,M	0.5V/7.9M	14/7.9	46	0.68	420	700
SWF2012RF-100□	10	K,M	0.5V/2.5M	14/2.5	31	0.85	360	560
SWF2012RF-150□	15	K,M	0.5V/2.5M	15/2.5	28	1.40	300	380
SWF2012RF-220□	22	K,M	0.5V/2.5M	15/2.5	20	1.76	240	340