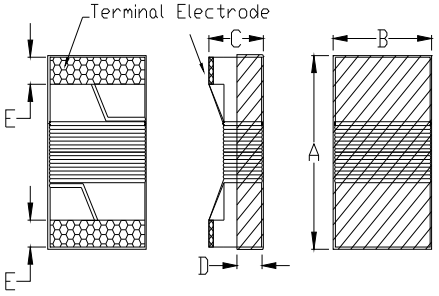
Magnetic half shielding Wire Wound Power Inductor MHS1608RF-SERIES

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

   Digital camera and other electronic equipment
   Personal computers, Hard disk drives
   Mobile Device / Handheld Device / Low Profile Device / Panel
   xDSL modem and Cable modem

2. Dimensions



Size	A	B	C	D	E
MHS1608	1.60±0.20	1.00±0.20	1.00±0.10	0.80 ref.	0.35±0.10

3. Part Numbering

MHS	1608	R	F	-	2R2	K
A	B	C	D		E	F

A: Series — Magnetic half-shielding
B: Dimension — L x W
C: Control S/N
D: Lead free type
E: Inductance — 2R2=2.20uH
F: Inductance Tolerance — M=±20%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz)	DCR (Ω)Max	Isat (mA) Max	Isat (mA) Typ.	Irms (mA) Max	Irms (mA) Typ
MHS1608RF-R47□	0.47	M	1M	0.150	1000	1300	800	900
MHS1608RF-1R0□	1.00	M	1M	0.228	700	750	680	750
MHS1608RF-2R2□	2.20	M	1M	0.480	480	520	500	550
MHS1608RF-4R7□	4.7	M	1M	0.720	320	360	400	430
MHS1608RF-6R8□	6.8	M	1M	0.90	270	300	350	380
MHS1608RF-100□	10	M	1M	1.620	220	240	250	280

Note:

1.All test data referenced to 25℃ ambient.

2. DC current at 25°C that causes the specified inductance drop from its value without current

3. Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.

5. Materials

No.	Description	Specification
a.	Upper Plate	Magnetic glue
b.	Core	Ferrite Core
c	Termination	Ag/Ni/Sn
d	Wire	Enameled Copper Wire