

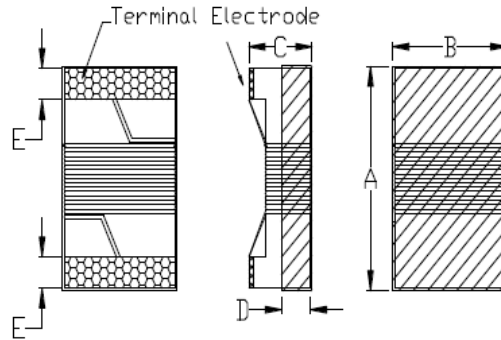
WHP1608RF-Series-T Specification

SMD Wire Wound Chip Inductor

APPLICATION

Smart phones, tablet terminals, digital cameras, video cameras, HDDs, power supply modules, etc.

1. Shapes and Dimensions



Unit: mm

Type	A	B	C	D	E
WHP1608RF	1.80 Max.	1.20 Max.	1.10 Max.	0.60 Ref.	0.35±0.10

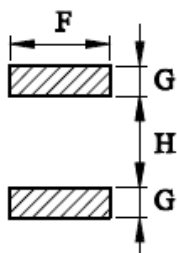
2. Ordering / Part Number Information

WHP 1608 RF - 1R0 K - T
 (1) (2) (3) (4) (5) (6)

- (1) Product Group
- (2) Dimension Code
- (3) Type Code
- (4) Inductance Code
- (5) Inductance Tolerance
- (6) Control Code

3. Recommended Soldering Condition

3-1. Recommended Land Pattern

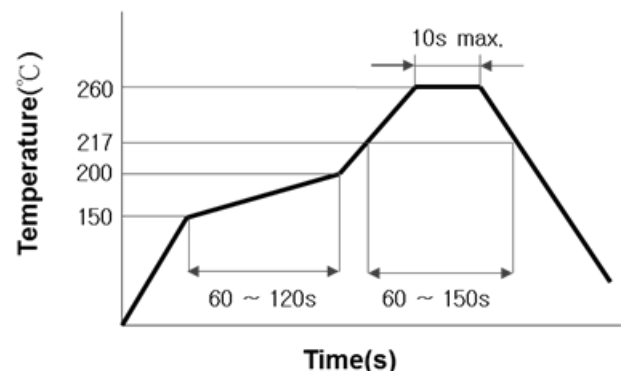


Unit : mm

Symbol	Dimension
F	1.02
G	0.50
H	0.92

The Recommended Land pattern is for reference only.
 Please consult your manufacturing partners to ensure your company's PCB design guidelines are met

3-2. Recommended Soldering Profile



4. Electrical Characteristics

4-1. Electrical Specification

Part Number	Inductance (L)	Q Typ.	L, Q Test Freq.	DC Resistance (R _{DC}) ±30%	Saturation Current (I _{SAT}) Typ.	Temperature Rise Current (I _{RMS}) Typ.	Self-Resonant Frequency (SRF) Typ.
WHP1608RF-1R0K-T	1.0μH±10%	16	7.9MHz	0.32Ω	860mA	700mA	390MHz
WHP1608RF-1R5K-T	1.5μH±10%	16	7.9MHz	0.40Ω	720mA	600mA	160MHz
WHP1608RF-2R2K-T	2.2μH±10%	16	7.9MHz	0.56Ω	600mA	580mA	103MHz
WHP1608RF-3R3K-T	3.3μH±10%	16	7.9MHz	0.70Ω	500mA	500mA	66MHz
WHP1608RF-4R7K-T	4.7μH±10%	16	7.9MHz	0.97Ω	400mA	420mA	51MHz
WHP1608RF-6R8K-T	6.8μH±10%	16	7.9MHz	1.50Ω	340mA	340mA	43MHz
WHP1608RF-100K-T	10μH±10%	14	2.5MHz	1.85Ω	280mA	280mA	36MHz
WHP1608RF-150K-T	15μH±10%	14	2.5MHz	2.60Ω	240mA	240mA	29MHz
WHP1608RF-180K-T	18μH±10%	14	2.5MHz	2.90Ω	220mA	220mA	28MHz
WHP1608RF-220K-T	22μH±10%	14	2.5MHz	3.61Ω	200mA	200mA	24MHz

Note1. L,Q Test Level: 0.5V

4-2. Operating Temperature Range

-40°C to +125°C (Including self - temperature rise)

4-3. Storage Temperature Range

Store this product under the condition of 5°C to 40°C, 20% to 70%RH and use within 6 months

5. Package Quantity

Standard Quantity for Packaging: 4,000 pcs/Reel

Note

1. Please make sure that your product is has been evaluated and confirmed against your specifications when our product is mounted to your product.
2. Do not knock nor drop.
3. All the items and parameters in this product specification have been prescribed on the premise that our product is used for the purpose, under the condition and in the environment agreed upon between you and us. You are requested not to use our product deviating from such agreement.
4. Please keep the distance between transformer/coil and other components (refer to the standard IEC 950)