

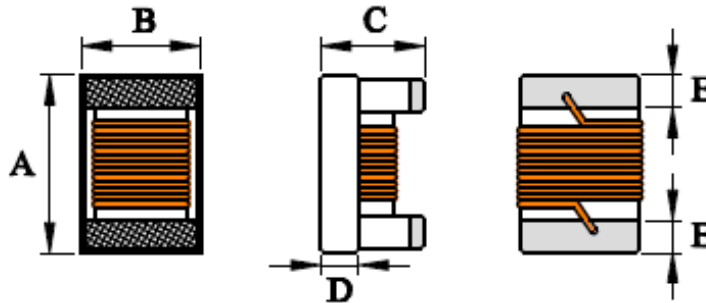
WHP2520F Series Specification

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
WHP2520F	2.90 Max.	2.50 Max.	2.10 Max.	1.20 Ref.	0.55±0.1

2. Ordering / Part Number Information

WHP 2520 F - 1R0 □
 (1) (2) (3) (4) (5)

(1) Product Group

(2) Dimension Code

(3) Type Code

(4) Inductance Code : R means decimal point

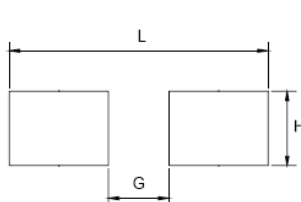
Ex : 1R0 → 1.0μH

(5) Inductance Tolerance

K=±10%, M=±20%

3. Recommended Soldering Condition

3-1. Recommended Land Pattern

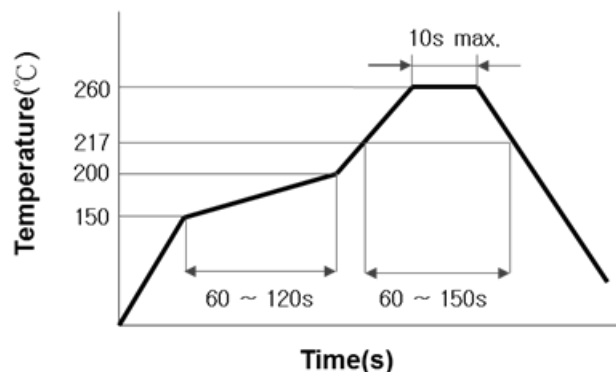


Unit : mm

Symbol	Dimension
L	3.31
G	1.40
H	2.54

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 Min.	L , Q Test Freq.	DC Resistance (R _{DC}) Max.	Rated Current (I _{DC}) Max.	Self-Resonant Frequency (SRF) Min.
WHP2520F-1R0M	1.00μH±20%	12	7.96MHz	0.13Ω	1000mA	345MHz
WHP2520F-1R5M	1.50μH±20%	12	7.96MHz	0.17Ω	850mA	100MHz
WHP2520F-2R2M	2.20μH±20%	12	7.96MHz	0.21Ω	775mA	78MHz
WHP2520F-3R3K	3.30μH±10%	12	7.96MHz	0.26Ω	715mA	48MHz
WHP2520F-4R7K	4.70μH±10%	12	7.96MHz	0.52Ω	505mA	46MHz
WHP2520F-6R8K	6.80μH±10%	12	7.96MHz	0.72Ω	432mA	33MHz
WHP2520F-8R2K	8.20μH±10%	12	2.52MHz	0.76Ω	410mA	30MHz
WHP2520F-100K	10.0μH±10%	12	2.52MHz	0.86Ω	392mA	28MHz
WHP2520F-150K	15.0μH±10%	12	2.52MHz	1.09Ω	342mA	21MHz
WHP2520F-220K	22.0μH±10%	12	2.52MHz	1.96Ω	260mA	18MHz
WHP2520F-330K	33.0μH±10%	12	2.52MHz	2.47Ω	236mA	15MHz

Note1. L,Q Test Level: 0.5V

Note2. Note1. DC Rated Current for Inductance becomes 20% lower than its initial value
(Test by a short period of time to minimize the self-heating effect of the component.)

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: 2,000 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)