

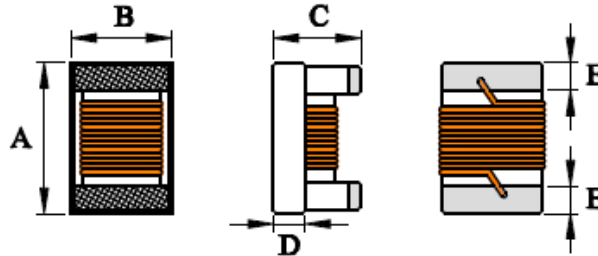
WHP3225F-xxxx Specification

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
WHP3225F	3.60 Max.	2.80 Max.	2.60 Max.	0.80 Ref.	0.55±0.1

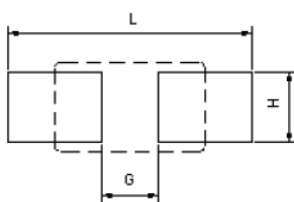
2. Ordering / Part Number Information

WHP 3225 F - 2R2 K
 (1) (2) (3) (4) (5)

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

3. Recommended Soldering Condition

3-1. Recommended Land Pattern

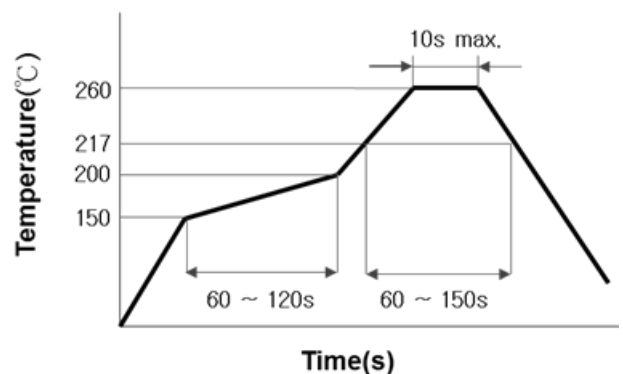


Unit : mm

Symbol	Dimension
L	3.82
G	2.00
H	2.80

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)	L/Q Test Frequency	Q (Min.)	DC Resistance (RDC) Max.	Rated Current (IDC) Max.	Self-Resonant Frequency (SRF) Min.
WHP3225F-1R0K	1.0 μ H \pm 10%	7.96MHz	10	0.12 Ω	1200mA	290MHz
WHP3225F-1R5K	1.5 μ H \pm 10%	7.96MHz	10	0.13 Ω	1000mA	260MHz
WHP3225F-2R2K	2.2 μ H \pm 10%	7.96MHz	10	0.17 Ω	880mA	190MHz
WHP3225F-3R3K	3.3 μ H \pm 10%	7.96MHz	10	0.22 Ω	775mA	64MHz
WHP3225F-4R7K	4.7 μ H \pm 10%	7.96MHz	10	0.26 Ω	710mA	54MHz
WHP3225F-6R8K	6.8 μ H \pm 10%	7.96MHz	10	0.30 Ω	660mA	34MHz
WHP3225F-100K	10.0 μ H \pm 10%	2.52MHz	10	0.39 Ω	570mA	25MHz
WHP3225F-150K	15.0 μ H \pm 10%	2.52MHz	10	0.66 Ω	440mA	17MHz
WHP3225F-220K	22.0 μ H \pm 10%	2.52MHz	10	0.82 Ω	400mA	16MHz
WHP3225F-330K	33.0 μ H \pm 10%	2.52MHz	10	1.50 Ω	285mA	12MHz
WHP3225F-390K	39.0 μ H \pm 10%	2.52MHz	10	1.66 Ω	270mA	12MHz
WHP3225F-470K	47.0 μ H \pm 10%	2.52MHz	10	1.90 Ω	260mA	10MHz
WHP3225F-680K	68.0 μ H \pm 10%	2.52MHz	10	2.29 Ω	235mA	9MHz
WHP3225F-101K	100.0 μ H \pm 10%	1.00MHz	10	3.48 Ω	190mA	7MHz
WHP3225F-151K	150.0 μ H \pm 10%	1.00MHz	10	6.55 Ω	140mA	5MHz
WHP3225F-221K	220.0 μ H \pm 10%	1.00MHz	10	8.23 Ω	115mA	4MHz
WHP3225F-331K	330.0 μ H \pm 10%	1.00MHz	10	13.70 Ω	98mA	2.8MHz
WHP3225F-471K	470.0 μ H \pm 10%	1.00MHz	10	18.10 Ω	86mA	2.6MHz
WHP3225F-681K	680.0 μ H \pm 10%	1.00MHz	10	22.00 Ω	76mA	2.3MHz

Note1. L Test Level: 0.5V

4-2. Operating Temperature Range

-40 $^{\circ}$ C to +125 $^{\circ}$ C (Including self - temperature rise)

4-3. Storage Temperature Range

Store this product under the condition of 5 $^{\circ}$ C to 40 $^{\circ}$ 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)