

WHP3225F-xxxx-TA Specification

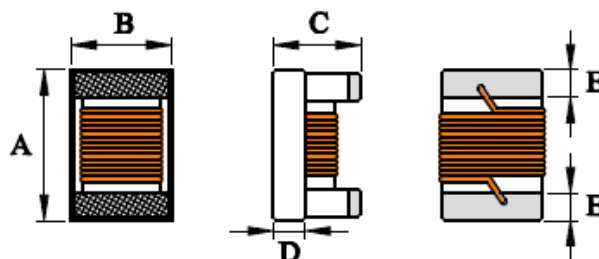
SMD Wire Wound Chip Inductor



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

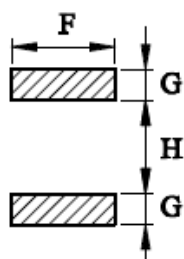
2. Ordering / Part Number Information

WHP 3225 F - 2R2 K - TA
(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

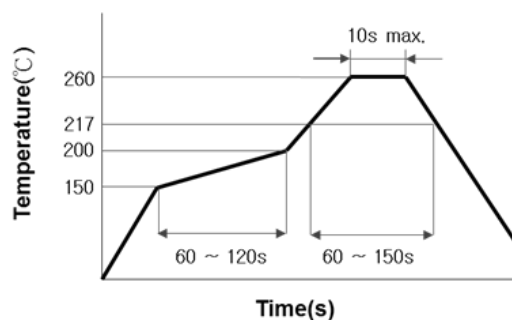


Unit : mm

Symbol	Dimension
F	2.80
G	0.91
H	2.00

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-TA	1.0 μ H \pm 10%	7.96MHz	10	0.12 Ω	1200mA	290MHz
WHP3225F-1R5K-TA	1.5 μ H \pm 10%	7.96MHz	10	0.13 Ω	1000mA	260MHz
WHP3225F-2R2K-TA	2.2 μ H \pm 10%	7.96MHz	10	0.17 Ω	880mA	190MHz
WHP3225F-3R3K-TA	3.3 μ H \pm 10%	7.96MHz	10	0.22 Ω	775mA	64MHz
WHP3225F-4R7K-TA	4.7 μ H \pm 10%	7.96MHz	10	0.26 Ω	710mA	54MHz
WHP3225F-6R8K-TA	6.8 μ H \pm 10%	7.96MHz	10	0.30 Ω	660mA	34MHz
WHP3225F-100K-TA	10.0 μ H \pm 10%	2.52MHz	10	0.39 Ω	570mA	25MHz
WHP3225F-150K-TA	15.0 μ H \pm 10%	2.52MHz	10	0.66 Ω	440mA	17MHz
WHP3225F-220K-TA	22.0 μ H \pm 10%	2.52MHz	10	0.82 Ω	400mA	16MHz
WHP3225F-330K-TA	33.0 μ H \pm 10%	2.52MHz	10	1.50 Ω	285mA	12MHz
WHP3225F-390K-TA	39.0 μ H \pm 10%	2.52MHz	10	1.66 Ω	270mA	12MHz
WHP3225F-470K-TA	47.0 μ H \pm 10%	2.52MHz	10	1.90 Ω	260mA	10MHz
WHP3225F-680K-TA	68.0 μ H \pm 10%	2.52MHz	10	2.29 Ω	235mA	9.0MHz
WHP3225F-101K-TA	100.0 μ H \pm 10%	1.00MHz	10	3.48 Ω	190mA	7.0MHz
WHP3225F-151K-TA	150.0 μ H \pm 10%	1.00MHz	10	6.55 Ω	140mA	5.0MHz
WHP3225F-221K-TA	220.0 μ H \pm 10%	1.00MHz	10	8.23 Ω	115mA	4.0MHz
WHP3225F-331K-TA	330.0 μ H \pm 10%	1.00MHz	10	13.70 Ω	98mA	2.8MHz
WHP3225F-471K-TA	470.0 μ H \pm 10%	1.00MHz	10	18.10 Ω	86mA	2.6MHz
WHP3225F-681K-TA	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

-55 $^{\circ}$ 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)