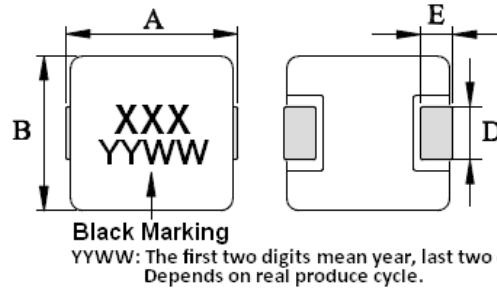


APPLICATION

Tablet terminals, HDDs, SSDs, DVCs, DSCs, mobile display panels, portable game devices, Telecommunications, Consumer electronics, Compact power supply modules, other

1. Shapes and Dimensions



Unit: mm

Type	A	B	C	D	E
TMPC0604HG	7.3±0.4	6.6±0.3	3.8±0.2	3.0±0.3	1.8 Ref.

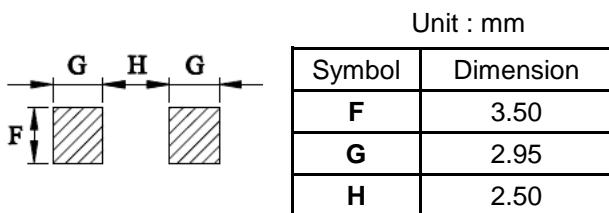
2. Ordering / Part Number Information

TMPC 0604 HG - R15 N - 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

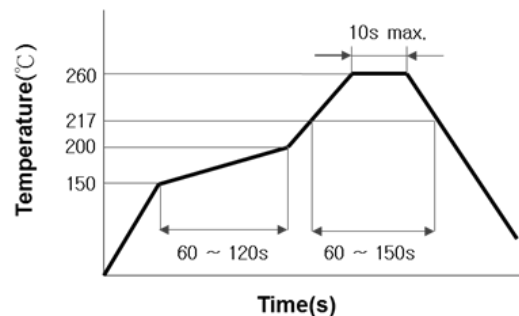
3. Recommended Soldering Condition

3-1. Recommended Land Pattern



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) @100kHz, 1V	DC Resistance (R _{DC}) Max.	Saturation Current (I _{SAT}) Typ.	Temperature Rise Current (I _{RMS}) Typ.
TMPC0604HG-R12N-T	0.12μH±30%	1.0mΩ	64A	32A
TMPC0604HG-R15N-T	0.15μH±30%	1.2mΩ	55A	30A
TMPC0604HG-R22M-T	0.22μH±20%	2.1mΩ	34A	25A
TMPC0604HG-R36M-T	0.36μH±20%	3.1mΩ	31A	25A
TMPC0604HG-R47M-T	0.47μH±20%	3.4mΩ	28A	23A
TMPC0604HG-R56M-T	0.56μH±20%	4.3mΩ	26A	20A
TMPC0604HG-R68M-T	0.68μH±20%	4.5mΩ	24A	16A
TMPC0604HG-1R0M-T	1.00μH±20%	8.0mΩ	22A	14A
TMPC0604HG-1R5M-T	1.50μH±20%	12.0mΩ	20A	12A
TMPC0604HG-2R2M-T	2.20μH±20%	14.0mΩ	14A	9.0A
TMPC0604HG-3R3M-T	3.30μH±20%	27.0mΩ	12A	8.0A
TMPC0604HG-4R7M-T	4.70μH±20%	32.5mΩ	11A	6.0A
TMPC0604HG-5R6M-T	5.60μH±20%	38.0mΩ	9.0A	5.0A
TMPC0604HG-6R8M-T	6.80μH±20%	50.0mΩ	8.5A	4.5A
TMPC0604HG-8R2M-T	8.20μH±20%	64.0mΩ	8.0A	4.5A
TMPC0604HG-100M-T	10.0μH±20%	72.0mΩ	7.0A	4.0A
TMPC0604HG-150M-T	15.0μH±20%	90.0mΩ	3.5A	3.0A
TMPC0604HG-220M-T	22.0μH±20%	145.0mΩ	3.5A	2.5A
TMPC0604HG-330M-T	33.0μH±20%	210.0mΩ	3.2A	1.8A

Note1. The saturation current is DC current value Inductance decrease down to 30%.

(Test by a short period of time to minimize the self-heating effect of the component.)

Note2. The temperature rise current value is the DC current value having temperature increase up to 40°C.

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: 1,000 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)

Reference