

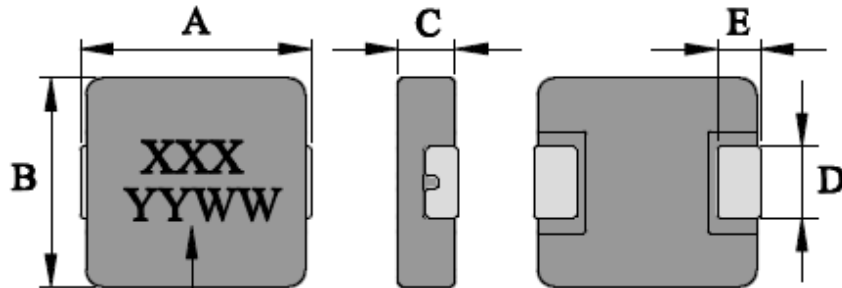
TMPC0624HG-xxxx Series Specification

SMD Molding Type Power Inductor

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



Black Marking

YYWW: the first two digits mean year, last two digits mean cycle.
Depends on real produce cycle.

Unit: mm

Type	A	B	C	D	E
TMPC0624HG	7.6 Max.	6.6±0.3	2.2±0.2	3.0±0.3	1.8 Ref.

2. Ordering / Part Number Information

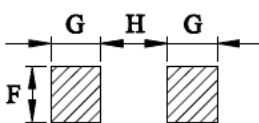
TMPC 0624 HG - R33 M
(1) (2) (3) (4) (5)

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

3. Recommended Soldering Condition

3-1. Recommended Land Pattern

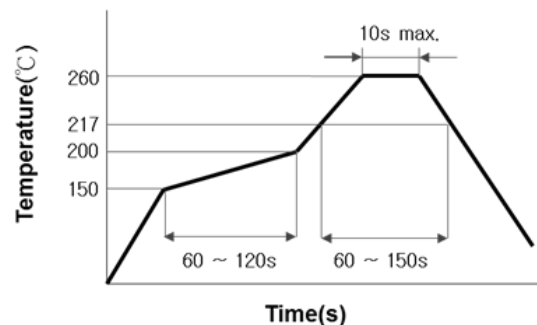
Unit : mm



Symbol	Dimension
F	3.50
G	2.60
H	2.50

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.	Marking
TMPC0624HG-R15N	0.15μH±30%	2.3mΩ	45.0A	30.0A	R15
TMPC0624HG-R22M	0.22μH±20%	3.2mΩ	34.0A	21.0A	R22
TMPC0624HG-R33M	0.33μH±20%	4.4mΩ	30.0A	18.0A	R33
TMPC0624HG-R47M	0.47μH±20%	5.1mΩ	26.0A	15.0A	R47
TMPC0624HG-R56M	0.56μH±20%	6.5mΩ	24.0A	13.0A	R56
TMPC0624HG-R60M	0.60μH±20%	6.9mΩ	22.0A	13.0A	R60
TMPC0624HG-R68M	0.68μH±20%	7.2mΩ	21.0A	13.0A	R68
TMPC0624HG-R82M	0.82μH±20%	9.5mΩ	17.0A	11.0A	R82
TMPC0624HG-1R0M	1.00μH±20%	13.5mΩ	16.0A	11.0A	1R0
TMPC0624HG-1R5M	1.50μH±20%	20.0mΩ	15.0A	9.0A	1R5
TMPC0624HG-2R2M	2.20μH±20%	28.0mΩ	14.0A	7.0A	2R2
TMPC0624HG-3R3M	3.30μH±20%	39.0mΩ	10.0A	6.0A	3R3
TMPC0624HG-4R7M	4.70μH±20%	50.0mΩ	9.0A	5.5A	4R7
TMPC0624HG-5R6M	5.60μH±20%	62.0mΩ	8.0A	5.0A	5R6
TMPC0624HG-6R8M	6.80μH±20%	72.0mΩ	7.0A	4.0A	6R8
TMPC0624HG-8R2M	8.20μH±20%	95.0mΩ	6.0A	3.6A	8R2
TMPC0624HG-100M	10.00μH±20%	101.0mΩ	5.0A	3.2A	100
TMPC0624HG-150M	15.00μH±20%	180.0mΩ	3.5A	2.5A	150
TMPC0624HG-220M	22.00μH±20%	215.0mΩ	3.0A	1.8A	220

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: 1,500 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)