

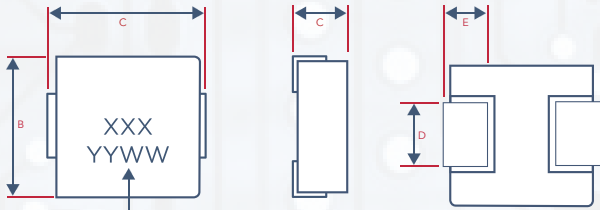
SMD MOLDING TYPE POWER INDUCTOR

- TMP SERIES -

APPLICATION

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

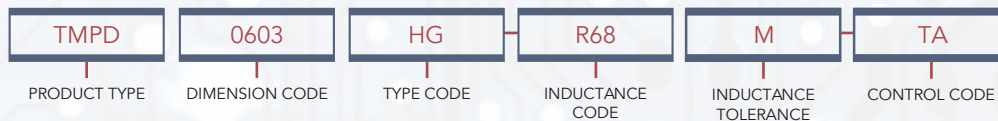
SHAPES AND DIMENSIONS



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 |
| TMPD0603HG | 7.3 ± 0.3 | 6.6 ± 0.3 | 2.8 ± 0.2 | 3.0 ± 0.3 | 1.6 ± 0.5 |

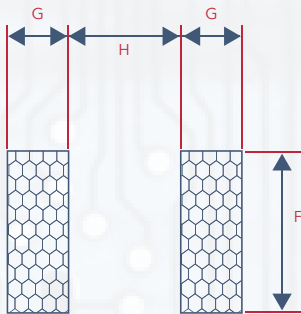
PART NUMBERING



RECOMMENDED SOLDERING CONDITION

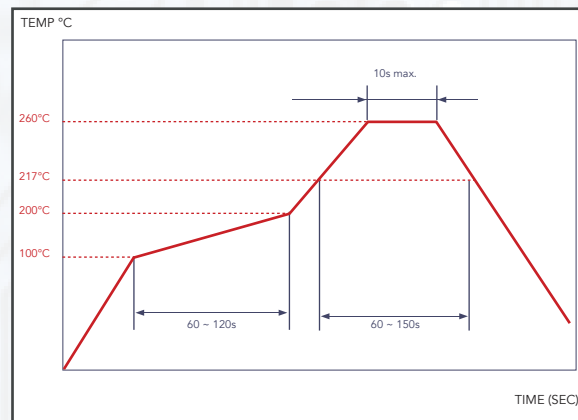
- Recommended Land Pattern

- Recommended Soldering Profile



| SYMBOL | DIMENSION |
|--------|-----------|
| F | 3.50 Ref. |
| G | 2.92 Ref. |
| H | 3.7 Ref. |

- The Recommended Land pattern is for reference only
- Please consult your manufacturing partners to ensure your company's PCB design guidelines are met



ELECTRICAL CHARACTERISTICS

| PART NUMBER | INDUCTANCE (L) @100kHz, 1V | DC RESISTANCE (R _{DC}) MAX. | SATURATION CURRENT (I _{SAT}) TYP. | TEMPERATURE RISE CURRENT (I _{RMS}) TYP. | MARKING |
|--------------------|----------------------------|---------------------------------------|---|---|---------|
| TMPD0603HG-R68M-TA | 0.68μH±20% | 5.3mΩ | 17.0A | 16.0A | R68 |

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.)
 Note 2. The temperature rise current value is the DC current value having temperature increase up to 40°C.

- OPERATING TEMPERATURE RANGE
 -55°C to +155°C (Including self - temperature rise)
- STORAGE TEMPERATURE RANGE
 Store this product under the condition of 5°C to 40°C, 20% to 70%RH and use within 6 months
 -55°C to +155°C (on board)

PACKING INFORMATION

- Standard Quantity for Packaging: 1,000 pcs/Reel

NOTE

- Please make sure that your product is has been evaluated and confirmed against your specifications when our product is mounted to your product.
- Do not knock nor drop.
- 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 a greed upon between you and us. You are requested not to use our product deviating from such agreement.
- Please keep the distance between transformer/coil and other components (refer to the standard IEC 950)

