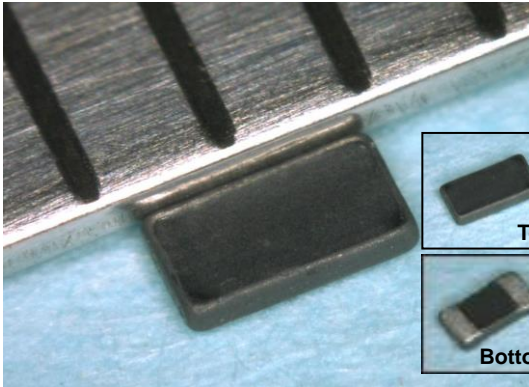


# Multi-layer Power Inductor : MIPSKZ1608G series (LGA Type)



**MIPSKZ1608G series (LGA type)**  
(1.6 x 0.8 x 0.3mm max)

## Features

- 1.6x0.8 mm and 0.3mm in height (very compact size): CAE and fine printing technology made this compact size possible
- Stable minimum DC resistance in the class
- High speed mounting: Using SMT mounter makes less than a second mounting possible
- Excellent mounting strength by SMD chip making
- Reduced noise over 2/3 of coil inductor by optimal design of CAD
- Completely lead-free product and support lead-free solder

## Applications

- DC-DC converters and power modules used for the following equipments. Compact electrical instruments such as cellular phones, DSC, DVC, PDA, DVD and HDD.

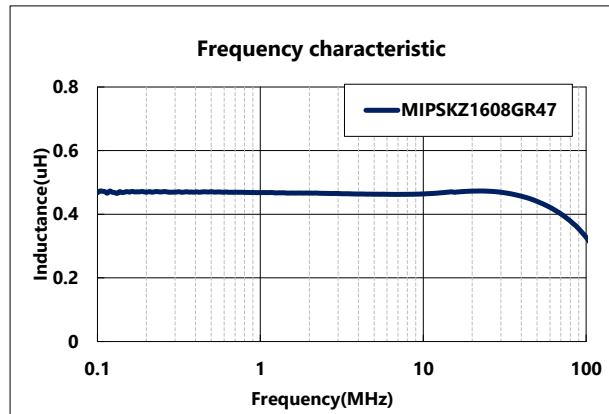
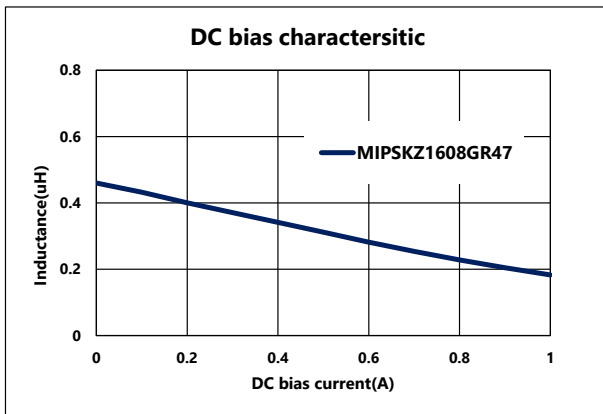
## Specifications

|                                |                    |
|--------------------------------|--------------------|
| <b>Product name</b>            | <b>MIPSKZ1608G</b> |
|                                | <b>R47</b>         |
| <b>Inductance(μH) at 1MHz</b>  | <b>0.47±30%</b>    |
| <b>DC resistance(ohm)</b>      | <b>0.20±30%</b>    |
| <b>Rated current(A)_typ.*1</b> | <b>1.0</b>         |
| <b>Rated current(A)_typ.*2</b> | <b>0.4</b>         |

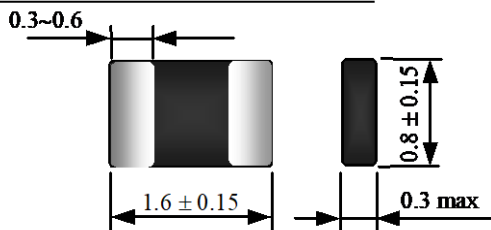
Rated current\_\*1 : In case temperature rise to 40°C due to self-heating.

Operating temperature range: -40~85°C

Rated current\_\*2 : The saturation current : L=-30% down from initial L value.

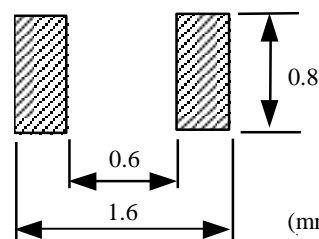


## Shapes and Dimensions



Standard package : Emboss taping (reel)

### Recommended land pattern



■ The description in this catalogue is subject to change without notice. As of Jul, 2019