

Multi-layer Power Inductor : MIPSDZ1608G2R2PA (LGA Type)

Features



MIPSDZ1608G2R2PA
(1.6 x 0.8 x 0.63mm max)

- 1.6x0.8 mm and 0.63 mm 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

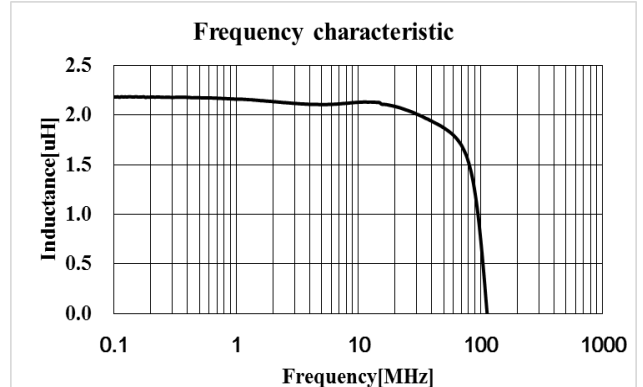
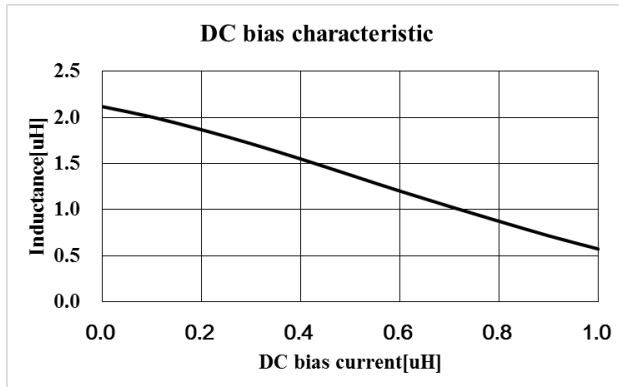
Product name	MIPSDZ1608G2R2PA
Inductance(μH) at 1MHz	2.2+20%
DC resistance(Ohm)	0.34+25%
Rated current (A) typ.*1	0.8
Rated current (A) typ.*2	0.4

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

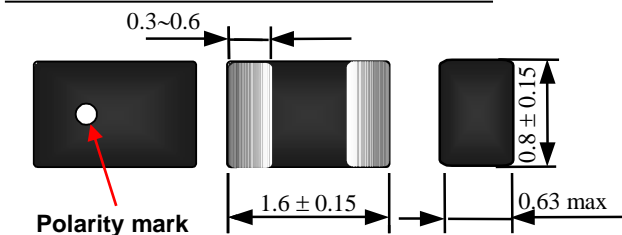
Operating temperature range: -40~125°C

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

(Including self-heating)

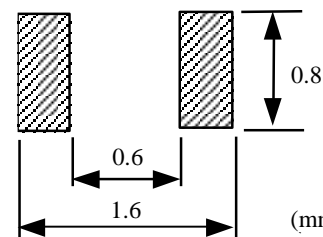


Shapes and Dimensions



Standard package : Emboss taping (reel)

Recommended land pattern



■ The description in this catalogue is subject to change without notice. As of May, 2023