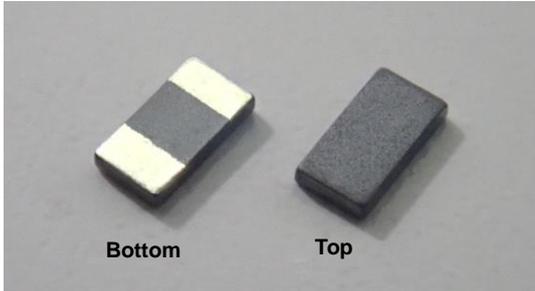


Multi-layer Power Inductor : MIPSK2012G_T series (LGA Type)

Features



MIPSK2012G_T series (LGA type)
(2.0 x 1.25 x 0.35mm max)

- 2.0x1.25 mm and 0.35mm 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 s Smart card, Wireless module, Sensor module and IoT devices.

Specifications

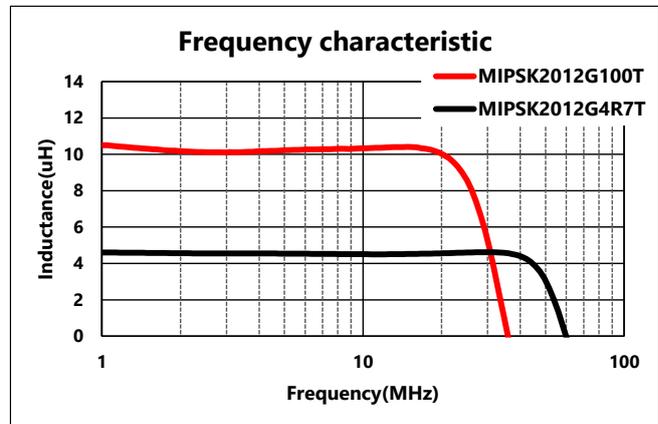
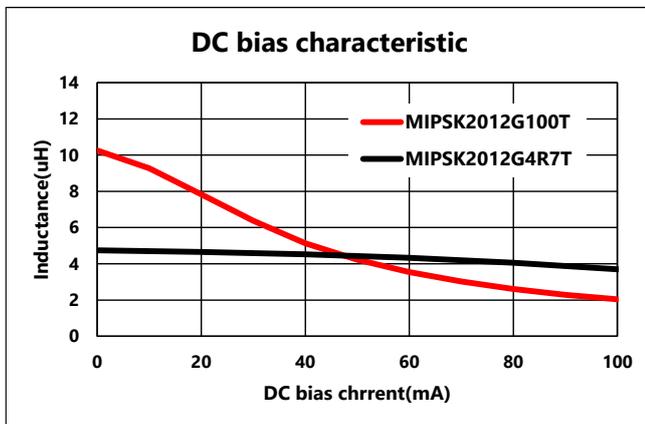
*Test sample data :Possibility to change the specifications without notice.

Product name	MIPSK2012G	
	4R7T	100T
Inductance(μ H) at 1MHz	4.7 \pm 30%	10 \pm 30%
DC resistance(ohm)	0.85 \pm 30%	0.85 \pm 30%
Rated current(A)_typ.*1	0.4	0.4
Rated current(A)_typ.*2	0.1	0.02

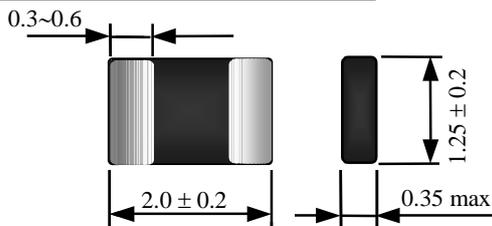
Rated current_*1 : In case temperature rise to 40°C due to self-heating.

Operating temperature range: -40~85°C

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

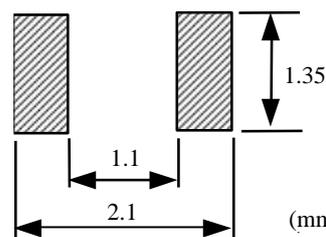


Shapes and Dimensions



Standard package : Emboss taping (reel)

Recommended land pattern



■ The description in this catalogue is subject to change without notice. As of May, 2022