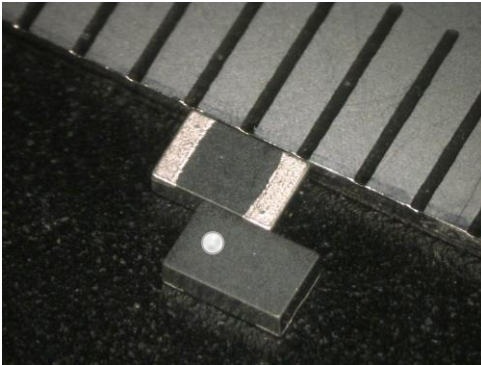


**Multi-layer Power Inductor : MIPSZ2012G\_FRP Series (LGA Type)**



**MIPSZ2012G Series**  
(2.0 x 1.25 x 1.0mm max)

**Features**

- 2.0x1.25 mm and 1.0 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
- LGA terminal helps saving mounting area and height of module.
- Reduced noise over 2/3 of coil inductor by optimal design of CAD.

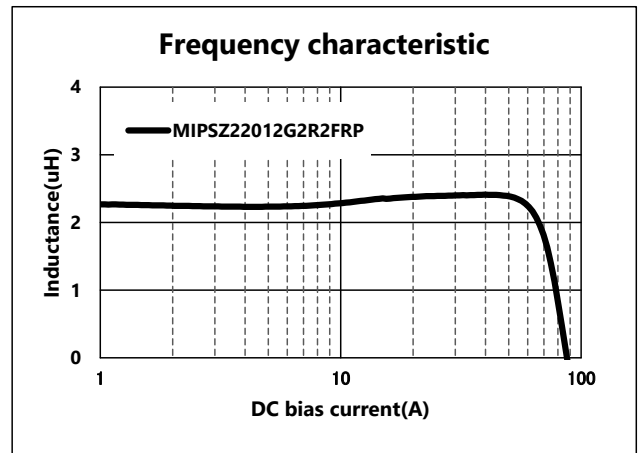
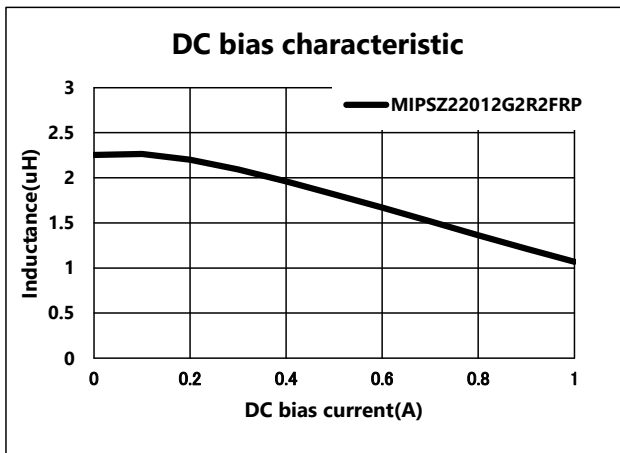
**Applications**

DC-DC converters and power modules used for the following applications. Mobile electrical instruments such as mobile phones, DSC, DVC, PDA, DVD and HDD.

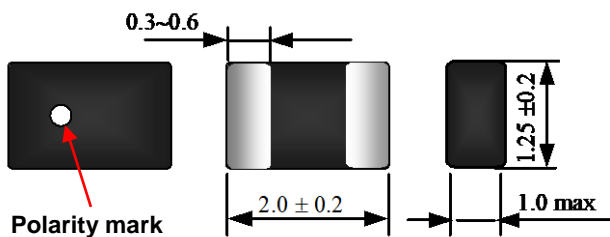
**Specifications**

<b>Product name</b>	<b>MIPSZ2012G2R2FRP</b>
<b>Inductance(μH) at 1MHz</b>	<b>2.2<sub>+30%</sub></b>
<b>DC resistance(Ohm)</b>	<b>0.11<sub>+30%</sub></b>
<b>Rated current (A)_typ.*1</b>	<b>1.6</b>
<b>Rated current (A)_typ.*2</b>	<b>0.7</b>

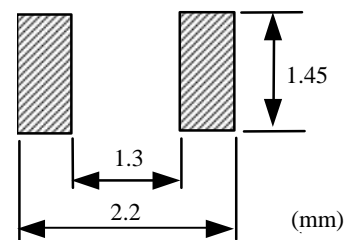
Rated current\_\*1 : In case temperature rise to 40°C due to self-heating.      Operating temperature range: -40~85°C  
 Rated current\_\*2 : The saturation current : L=-30% down from initial L value.



**Shapes and Dimensions**



**Recommended land pattern**



Standard package : Emboss taping (reel)

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