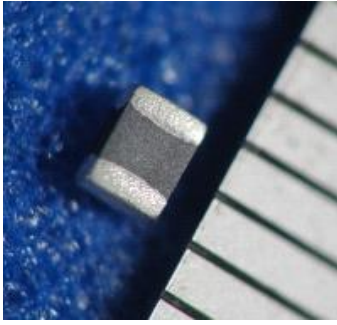


Multi-layer Power Inductor : MIPSZ2016DxxFR series



MIPSZ2016DxxFR series
(2.0 x 1.6 x 1.0mm max)

Features

- 2.0x1.6 mm and 1.0 mm in height (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.

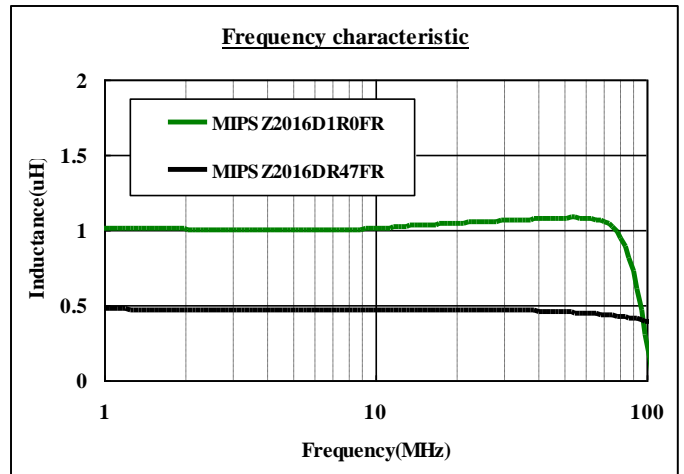
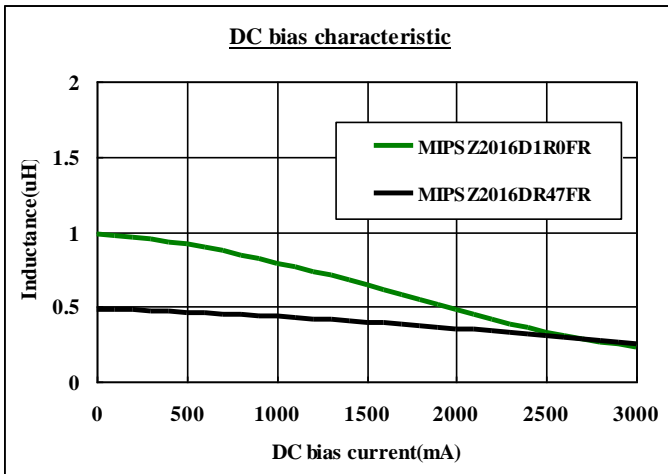
Specifications

Product name	MIPSZ2016D	
	1R0FR	R47FR
Inductance(μH)at 1MHz	1.0+30%	0.47+30%
DC resistance(ohm)	0.055+30%	0.040+30%
Rated current(A)_typ.*1	2.2	2.6
Rated current(A)_typ.*2	1.3	2.2

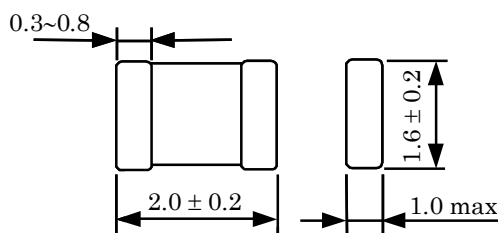
Rated current_*1 : In case temperature rise to 40°C due to self-heating.

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

