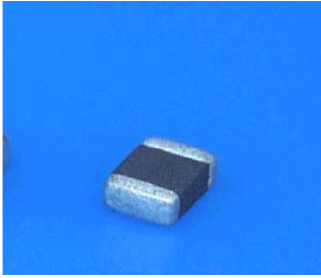


Multi-layer Power Inductor : MIPSZ2520DxxFR series



MIPSZ2520DxxFR series
(2.5 x 2.0 x 1.0mm max)

Features

- 2.5x2.0 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.

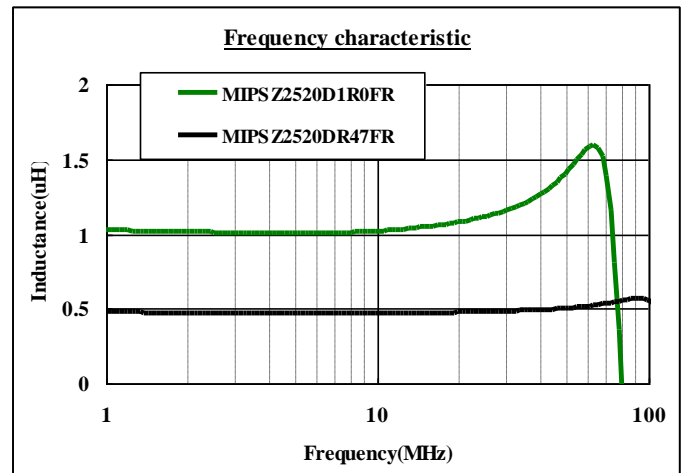
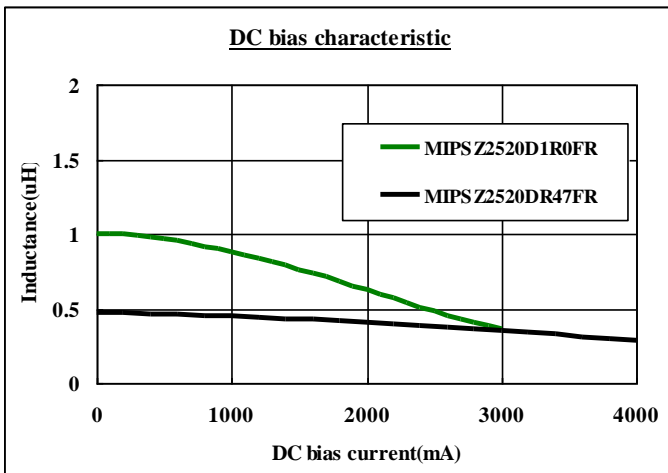
Specifications

| Product name | MIPSZ2520D | |
|-----------------------------|-----------------|-----------------|
| | 1R0FR | R47FR |
| Inductance(μ H)at 1MHz | 1.0 \pm 30% | 0.47 \pm 30% |
| DC resistance(ohm) | 0.045 \pm 30% | 0.030 \pm 30% |
| Rated current(A)_1* | 2.5 | 3.0 |
| Rated current(A)_2* | 1.7 | 3.3 |

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

