

Multi-layer Power Inductor : MIPSZ2520D series (High current Type)



MIPSZ2520D 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.

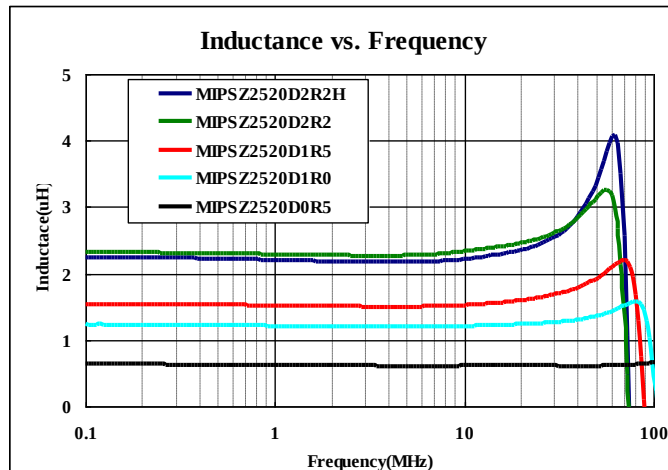
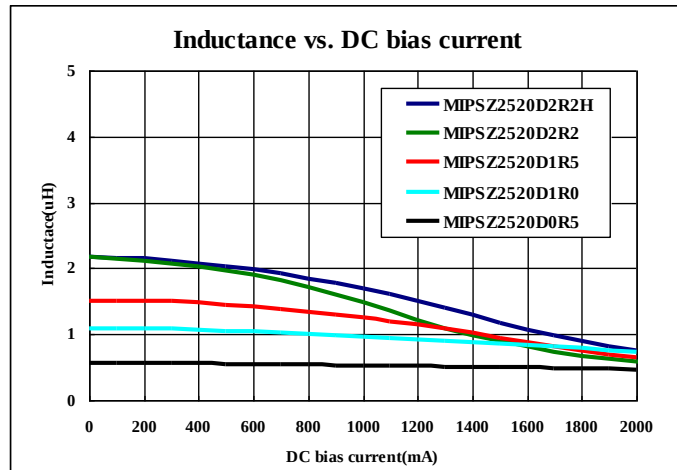
Specifications

Product name	MIPSZ2520D2R2H	MIPSZ2520D2R2	MIPSZ2520D1R5	MIPSZ2520D1R0	MIPSZ2520D0R5
Inductance(μ H) at 1MHz	2.2 $\pm$ 30%	2.2 $\pm$ 30%	1.5 $\pm$ 30%	1.0 $\pm$ 30%	0.5 $\pm$ 30%
DC resistance(ohm)	0.16 $\pm$ 30%	0.11 $\pm$ 30%	0.10 $\pm$ 30%	0.09 $\pm$ 30%	0.06 $\pm$ 30%
Rated current(A)*1	0.9	1.1	1.2	1.2	1.4
Rated current(A)*2	1.1	0.9	1.3	1.8	3.4

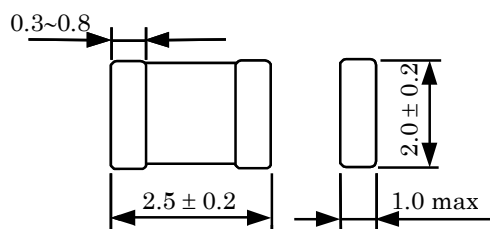
Rated current_1* : In case temperature rise to 40°C due to self-heating.

Operating temperature range: -40~85°C

Rated current_2* : The saturation current : L=-30% down from initial L value.

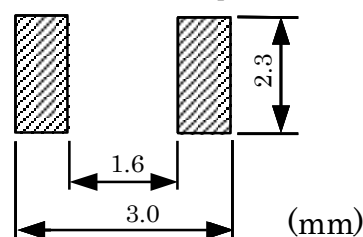


Shapes and Dimensions



Standard package : Emboss taping (reel)

Recommended land pattern



■ The description in this catalogue is subject to change without notice.

As of Aug, 2012