

# Multi-layer Power Inductor : MIPF2520series (Small Size Type)



MIP series (3.2 x 2.6 x 1.0mm)      MIPF2520 series (2.5 x 2.0 x 1.0mm)

## Features

- 2.5x2.0 mm and 1 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
- 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

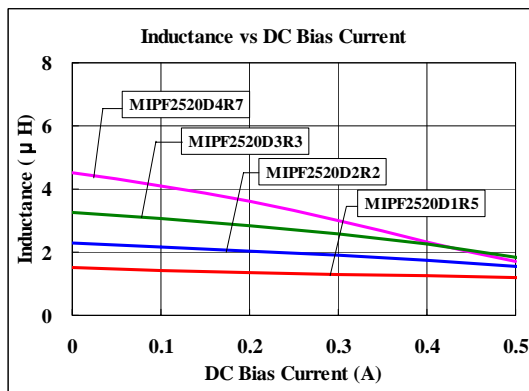
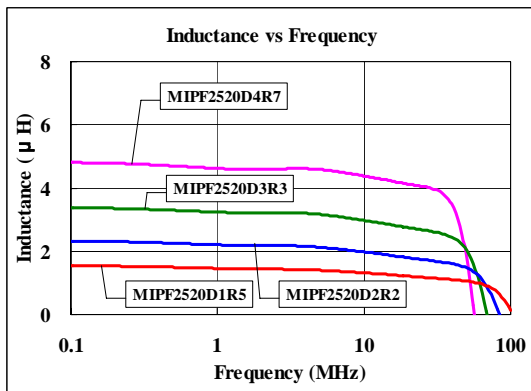
## Applications

- DC-DC converters and power modules used for the following equipments. Compact electrical instruments such as cellular phones, DSC, DVC, PDA, DVD and HDD.

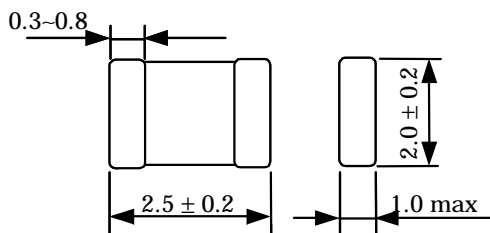
## Specifications

Product name	MIPF2520D1R5	MIPF2520D2R2	MIPF2520D3R3	MIPF2520D4R7
Inductance( $\mu$ H) at 1MHz	1.5 $\pm$ 30%	2.2 $\pm$ 30%	3.3 $\pm$ 30%	4.7 $\pm$ 30%
DC resistance( $\Omega$ )	0.07 $\pm$ 30%	0.08 $\pm$ 30%	0.1 $\pm$ 30%	0.11 $\pm$ 30%
Rated current(A) *1	1.5	1.3	1.2	1.1
Weight(mg)	30 max.			

\*1: In case temperature rise to 40°C due to self-heating. Operating temperature range: -40~85°C

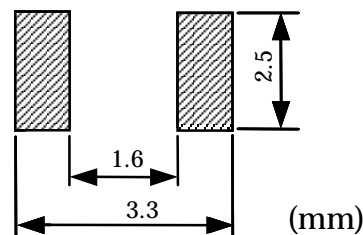


## Shapes and Dimensions



Standard package : Emboss taping (reel)

### Recommended land pattern



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

As of Jan, 2005