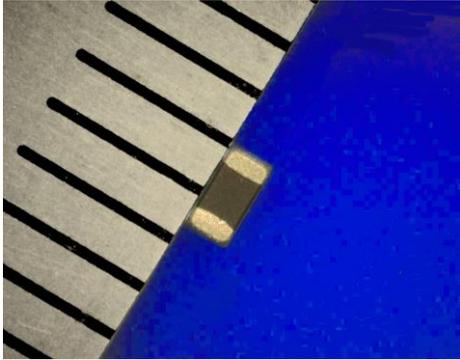


Multi-layer Power Inductor : MIPSTZ1608Dseries (Very Small Type)



MIPSTZ1608D Series
(1.6 x 0.8 x 0.95mm max)

Features

- 1.6x0.8 mm and 0.95mm 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

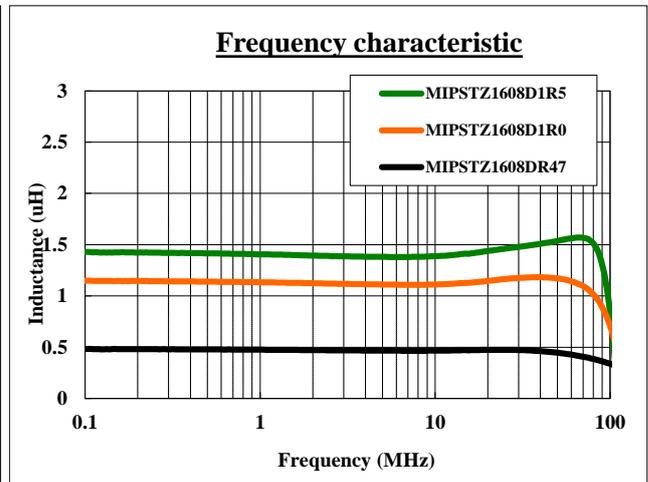
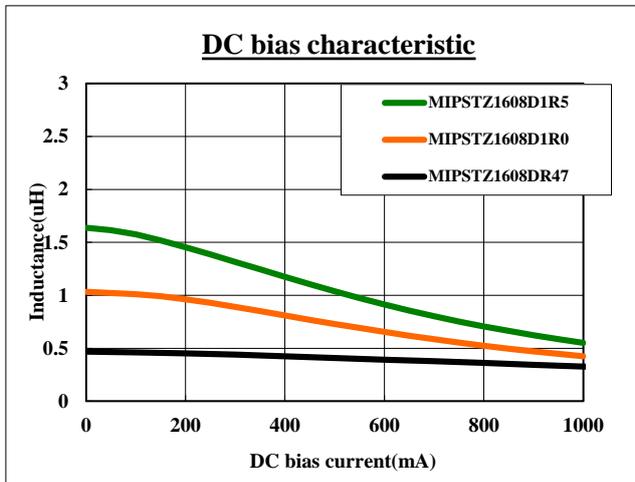
Applications

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

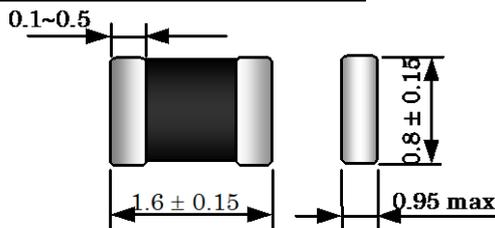
Specifications

Product name	MIPSTZ1608D		
	1R5	1R0	R47
Inductance(μH) at 1MHz	1.5±30%	1.0±30%	0.47±30%
DC resistance(ohms)	0.30±30%	0.14±30%	0.08±30%
Rated current(A)_typ.*1	0.6	0.8	1.1
Rated current(A)_typ.*2	0.4	0.5	1.0

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

