CLASS D POWER INDUCTOR - MPD1013 Series
Shielded Power Inductor for Digital Amplifier

Meisongbei



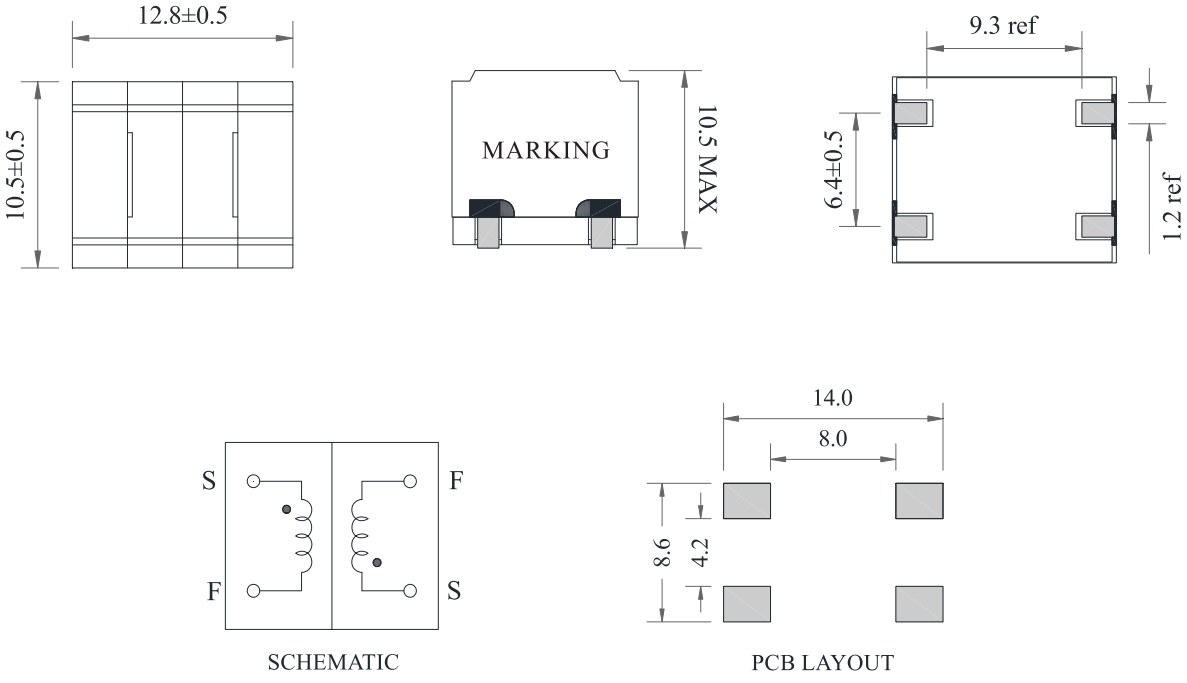
Features

- Special magnetic shielding structure
- Strong anti-interference ability
- Small size, low noise and low radiation
- Wide frequency range, small parasitic capacitance
- Best design with high quality sound and low distortion
- Operating temperature: -40°C~+125°C

Applications

- Audio equipment, LCD television set
- Notebook PC, digital camera
- Portable communication equipment
- DC-DC converter, etc.

Dimensions & Configurations (Unit:mm)



Electrical Characteristics For MPD1013 Series

Part Number	Inductance [uH] (±20%)	DCR [Ω] (Max.)	I sat [A] (Max.)	I rms [A] (Max.)
MPD1013-100M	10	11.4	8.0	4.5
MPD1013-120M	15	14.0	6.7	4.2
MPD1013-150M	22	18.1	5.9	4.0
MPD1013-220M	33	20.5	4.9	3.8

- Inductance tested at 100kHz,1V @ 25°C
- Isat: the actual value of DC current when the inductance decrease 25% of its initial value
- Irms: the actual value of DC current when the temperature rise is Δ40°C (Ta=25°C)

Electrical Characteristic Curve

