CLASS D POWER INDUCTOR - MPD2320 Series
Shielded Power Inductor for Digital Amplifier

Meisongbei



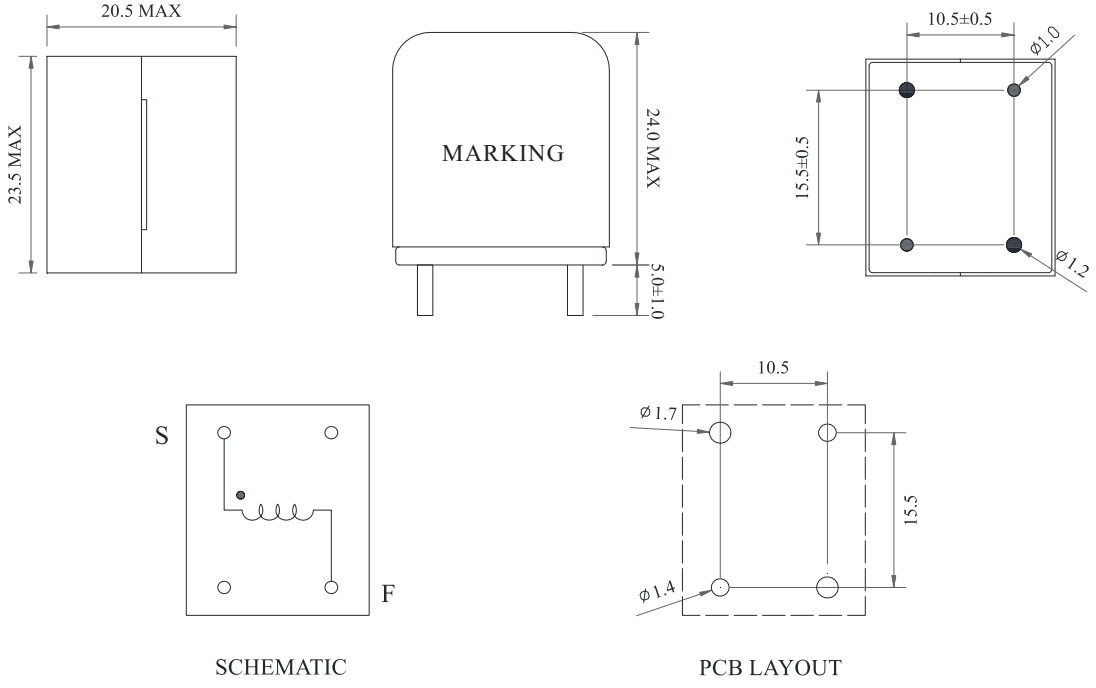
Features

- 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)



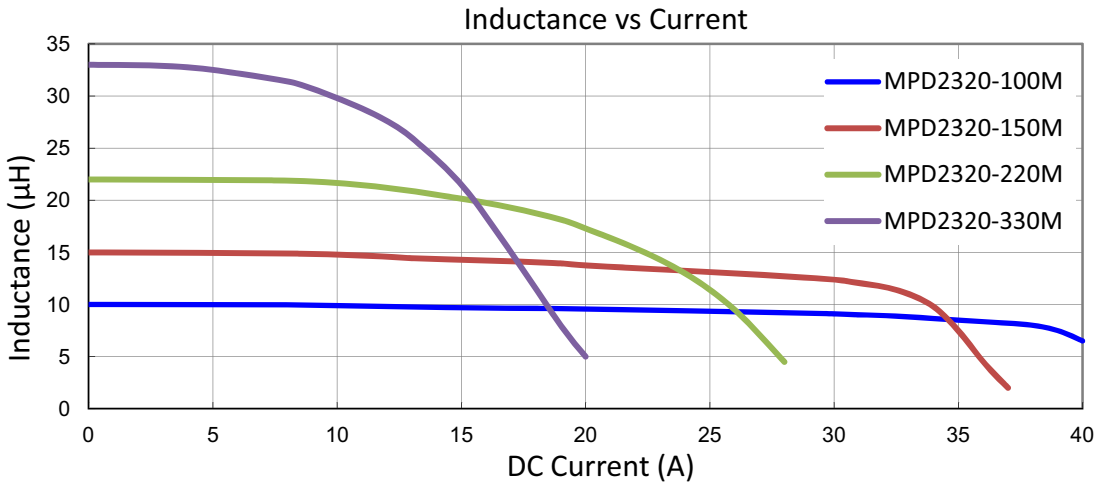
SCHEMATIC

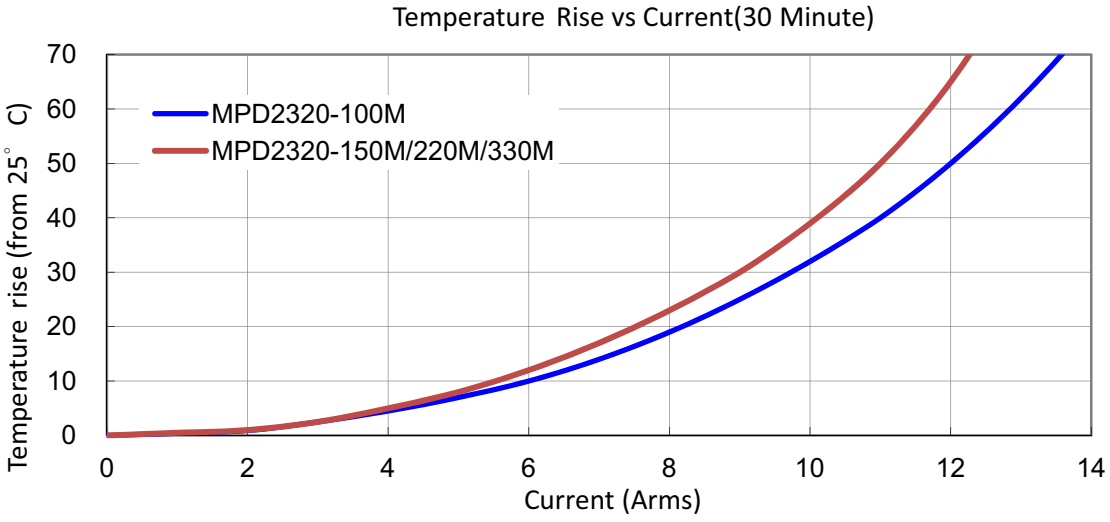
PCB LAYOUT

Electrical Characteristics For MPD2320 Series

Part Number	Inductance [uH] (±20%)	DCR [Ω] (Max.)	I sat [A] (Max.)	I rms [A] (Max.)
MPD2320-100M	10	9.0	38.0	11.0
MPD2320-150M	15	9.6	31.0	10.0
MPD2320-220M	22	9.6	19.5	10.0
MPD2320-330M	33	9.6	12.5	10.0

- 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)


Inductance vs Current
Inductance (μH)
DC Current (A)
MPD2320-100M
MPD2320-150M
MPD2320-220M
MPD2320-330M
0
5
10
15
20
25
30
35
40


Temperature Rise vs Current(30 Minute)
Temperature rise (from 25°C)
Current (Arms)
MPD2320-100M
MPD2320-150M/220M/330M
0
10
20
30
40
50
60
70
0
2
4
6
8
10
12
14