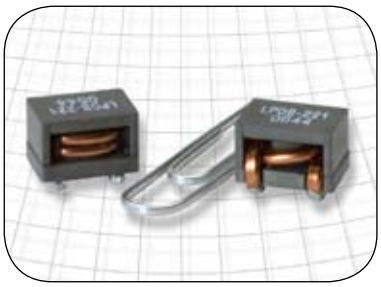
LP08 Series
SMT High Current Inductors



Features

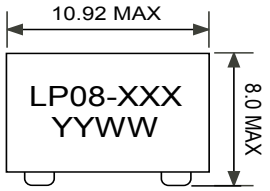
- Low Cost Design
- High saturation current of 45A
- Designed for frequencies up to 1MHz
- Suitable for pick and place applications

Applications

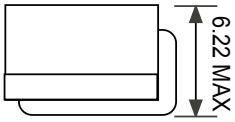
- Voltage Regulator Modules (VRMs)
- High Frequency, High Current Switching Power Supplies
- Synchronous Buck DC/DC Converters

Packaging Reel diameter: 13", Reel Width: 24 mm, Pieces/Reel: 600

Mechanical

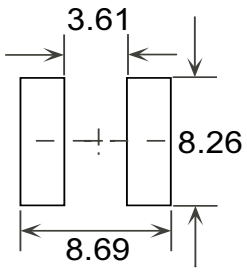


Top View

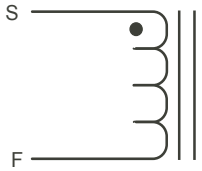


Side View

Recommended PCB layout



Schematic



units: mm

Electrical Specifications

Part Number	Inductance[1] (nH, ±15%)	DCR (mΩ, ± 8%)	Idc[5] (A)	Isat[6] (A)
LP08-211	210	0.58	38	45
LP08-271	270	0.58	38	35
LP08-331	330	0.58	38	31

1. Tested at 1.0 MHz, 0.1 Vrms.
2. Electrical specifications at 25°C.
3. Operating range: -40°C to +130°C.
4. Meets UL 94V-0.
5. I_{dc} is DC current required to produce a temperature rise of 40°C.
6. I_{sat} is the DC current required to reduce the nominal inductance by 15%.

RoHS