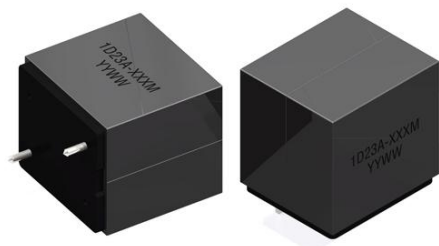


1D23A Series

THT Shielded Class D Inductors



- Height: 23.0 mm (Max)
- Footprint: 24.0 mm (Max) x 21.2 mm (Max)
- Small Footprint
- Shielded Design for Lower EMI
- Ferrite Material Designed for Audio Applications

APPLICATIONS

Class D Audio Amplifiers

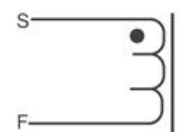
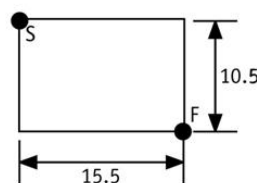
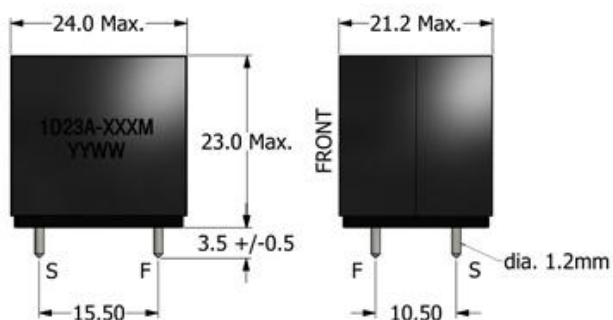
PACKAGING

Pieces/Tray: 60
Trays/Box: 6
Pieces/Box: 360

Mechanical Drawing

Mounting Dimensions

Schematic



All dimensions are in mm

Electrical Specifications @ 25°C - Operating Temperature Range¹: -40°C to +130°C

Part Number	Inductance, L_S^2 (μH , +/- 20%)	DCR ($m\Omega$, Max)	I_{SAT}^3 (A_{DC})	I_{DC}^4 (A_{DC})	SRF ⁶ (MHz, Typ)
1D23A-100M	10	9.6	37.8	9.4	26.8
1D23A-150M	15	9.6	23.5	9.4	21.2
1D23A-220M	22	9.6	18.5	9.4	19.0
1D23A-330M	33	9.6	10.4	9.4	10.9

- Operating Temp. Range:** The combination of ambient temperature and temperature rise.
- Inductance:** Tested at 100kHz, 1 V_{RMS}, Series
- I_{SAT} :** DC Current through the winding to cause a 10% (typ) drop in inductance.

- I_{DC} :** DC Current through the winding to cause 40°C temperature rise at 25°C ambient.
- Flammability Standard:** Meets UL 94V-0.
- SRF values are for reference only.



Specifications subject to change without prior notice.

TEL.: 800-729-2099

www.icecomponents.com

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