

# 1D17A Series

## THT Shielded Class D Inductors



- Height: 19.3 mm (Max)
- Footprint: 18.2 mm (Max) x 16.0 mm (Max)
- Small Footprint
- Shielded Design for Lower EMI
- Ferrite Material Designed for Audio Applications

### APPLICATIONS

Class D Audio Amplifiers

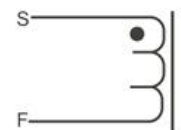
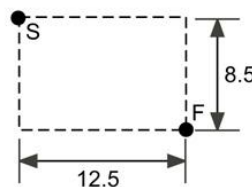
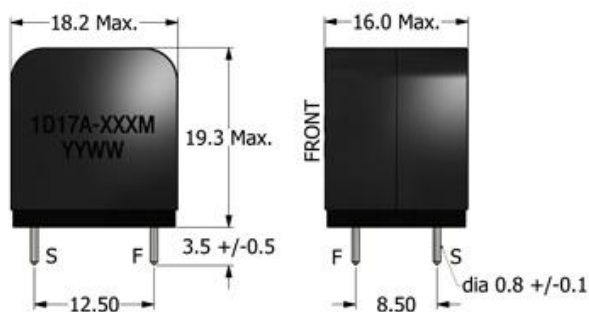
### PACKAGING

Pieces/Tray: 91  
Trays/Box: 6  
Pieces/Box: 546

### Mechanical Drawing

### Mounting Dimensions

### Schematic



All dimensions are in mm

### Electrical Specifications @ 25°C - Operating Temperature Range<sup>1</sup>: -40°C to +130°C

Part Number	Inductance, $L_S^2$ ( $\mu\text{H}$ , +/- 20%)	DCR ( $m\Omega$ , Max)	$I_{SAT}^3$ ( $A_{DC}$ )	$I_{DC}^4$ ( $A_{DC}$ )	SRF <sup>6</sup> (MHz, Typ)
1D17A-100M	10	18	31	6	26.8
1D17A-150M	15	18	21	6	22.3
1D17A-220M	22	18	15	6	18.0
1D17A-330M	33	18	10	6	17.1

- Operating Temp. Range:** The combination of ambient temperature and temperature rise.
- Inductance:** Tested at 1kHz, 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

March 27 2025 - 1D17A Series