# 1D17A Series Class D Inductor





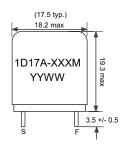
## **Features**

- Small Footprint
- Shielded Design for low EMI
- Ferrite Material Designed for Audio Applications

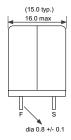
# **Applications**

• Class D Audio Amplifiers

## Front View

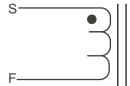


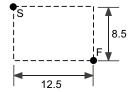
#### Side View



#### **Schematic**







units: mm

# **Electrical Specifications**

Part No.	Ls¹ (uH +/-20%)	DCR (mOhms Max.)	<sub>sat</sub> 5 (Adc)	l <sub>DC</sub> ⁴ (Adc)
1D17A-100M	10	18	31	6
1D17A-150M	15	18	21	6
1D17A-220M	22	18	15	6
1D17A-330M	33	18	10	6

#### Notes:

- 1. Tested at 1kHz, 1Vrms series.
- 2. Electrical specifications at 25°C.
- 3. Operating range: -40°C to +130°C. This is a combination of ambient plus temperature rise.
- 4. DC current through winding to cause a 40°C temperature rise at 25°C ambient.
- 5. DC current through the winding to cause a 10% drop in inductance
- 6. All products are RoHS-compliant.
- 7. Meets UL 94V-0



Specifications subject to change without notice.