# 1D14A Series Class D Inductor





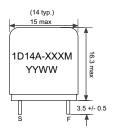
### **Features**

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

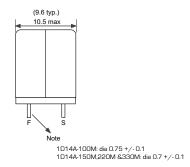
## **Applications**

• Class D Audio Amplifiers

Front View



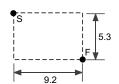
Side View



**Schematic** 



**Footprint** 



units: mm

## **Electrical Specifications**

Part No.	Ls <sup>1</sup>	DCR	sat <sup>5</sup>	I <sub>DC</sub> ⁴
	(uH +/-20%)	(m0hms Max.)	(Adc)	(Adc)
1D14A-100M	10	9	11	7.5
1D14A-150M	15	16	11	6.5
1D14A-220M	22	16	7.5	6.5
1D14A-330M	33	16	5	6.5

#### 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 UL94V-0



Specifications subject to change without notice.