1D23A Series Class D Inductor





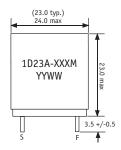
Features

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

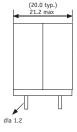
Applications

• Class D Audio Amplifiers





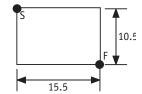
Side View



Schematic



Footprint



units: mm

Electrical Specifications

Part No.	Ls ¹	DCR	l _{sat} 5	l _{DC} ⁴
	(uH +/-20%)	(mOhms Max.)	(Adc)	(Adc)
1D23A-100M	10	9.6	37.8	9.4
1D23A-150M	15	9.6	23.5	9.4
1D23A-220M	22	9.6	18.5	9.4
1D23A-330M	33	9.6	10.4	9.4

Notes:

- 1. Tested at 100kHz, 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.