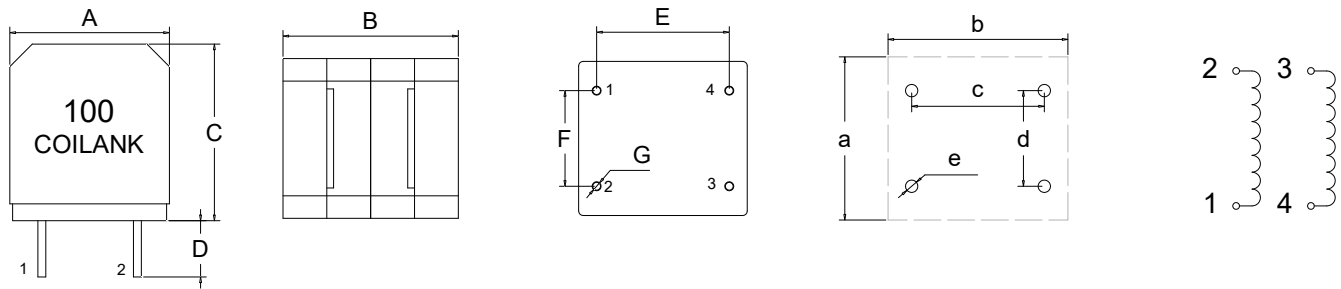


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	G	a	b	c	d	e	Q'Ty/box
BL1516	14.0 ±0.5	15.5 ±0.5	16.0 Max	3.5 ±0.5	11.8 ±0.5	8.5 ±0.5	0.7 ±0.1	14.5 Ref	16.0 Ref	11.8 Ref	8.5 Ref	1.1 Ref	300

2. Part Number Code

BL 1516 M 100 D
A B C D E

A: Series Name Power Inductor For Digital Amplifier
 C: Dimensions(mm) 1516: 14.0x15.5x16.0
 D: Tolerance M: ±20%
 E: Inductance 100=10uH
 F: Internal controls

3. Electrical Characteristics

Part Number	Inductance (uH)(1-2=3-4)	Test Frequency (KHz)	DCR(mΩ) Max. (1-2=3-4)	Heat Rating Current Irms(A)	Saturation Current Isat(A)
BL1516M100D	10	1KHz/1V	13.5	8	13

Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Operating temperature range -40°C to +125°C,(Including self - temperature rise).
- 3) Irms :DC current(A) that will cause an approximate ΔT of 40°C.
- 4) Isat :DC current(A) that will cause I_o to drop approximately 30%.
- 5) The part temperature(ambient + temp rise)should not exceed 125°C under worst case operating conditions.
Circuit design,component placement, PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature,part temperature should be verified in the end application.