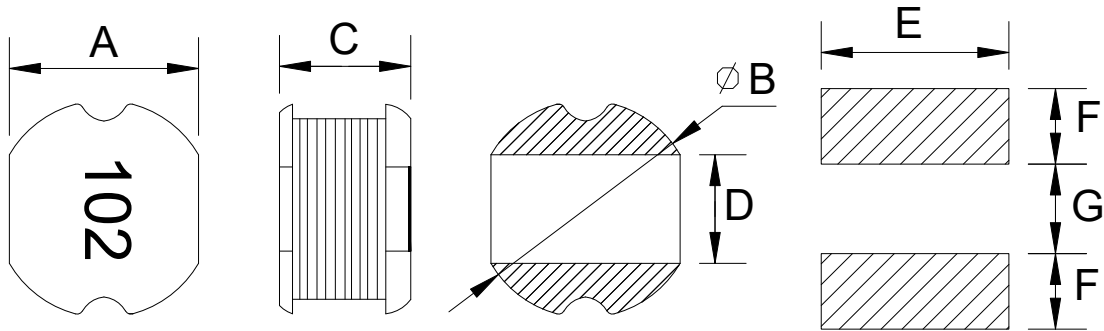


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	G	Q'TY/Reel
CD106	9.0±0.4	10.0±0.4	6.5±0.4	3.3Ref	9.3Ref	3.6Ref	3.0Ref	500

2. Part Number Code

$\frac{CD}{A}$ $\frac{106}{B}$ $\frac{K}{C}$ $\frac{102}{D}$ $\frac{A}{E}$

A: Series Name Power Inductors
 B: Dimensions(mm) 106: 9.0x10.0x6.5
 C: Tolerance K: ±10%
 D: Inductance 102=1.0mH
 E: Internal controls

3. Electrical Characteristics

Part Number	Inductance (mH)	Test Frequency (KHz)	DC Resistance (Ω)Max.	Saturation Current (A)Max.
CD106K102A	1.0	100KHz/0.25V	2.34	0.55

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) Isat :DC current(A) that will cause I_o to drop approximately 35%.
- 4) 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.