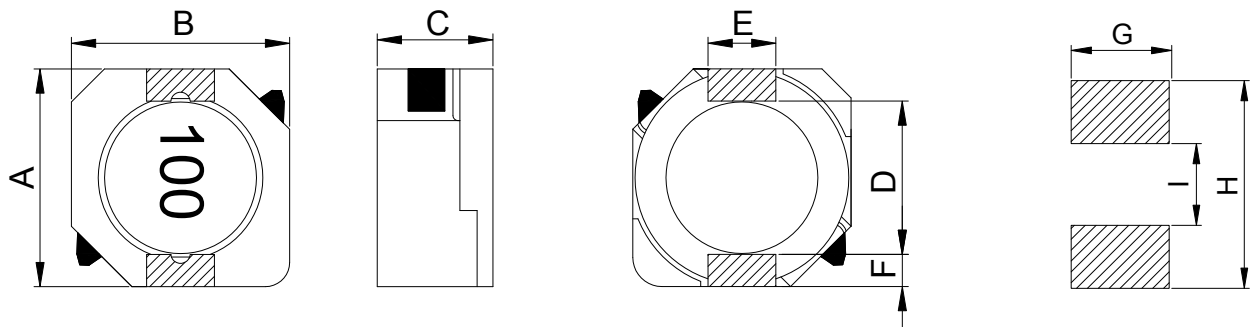


1. External Dimensions (Unit:m/m)



Recommended patterns

TYPE	A	B	C	D	E	F	G	H	I	Q'TY/Reel
APT10A40	10.6Max	10.4Max	4.0Max	7.7Ref	3.0Ref	1.2Ref	3.6Ref	10.7Ref	7.3Ref	1000

2. Part Number Code

$\frac{APT}{A}$ $\frac{10}{B}$ $\frac{A}{C}$ $\frac{40}{D}$ $\frac{M}{E}$ $\frac{100}{F}$ - $\frac{E}{G}$

A: Series Name Power Inductors
 B: Dimensions(mm) 10: 10.6x10.4 Max
 C: Materials A: Type
 D: Thickness(mm) 40: 4.0 Max
 E: Tolerance M: $\pm 20\%$
 F: Inductance 100=10uH
 G: NoInternal controls

3. Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	DC Resistance (mΩ)Max.	Saturation Current (A)Max.
APT10A40M100-E	10	100KHz/0.25V	40	4.4

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.