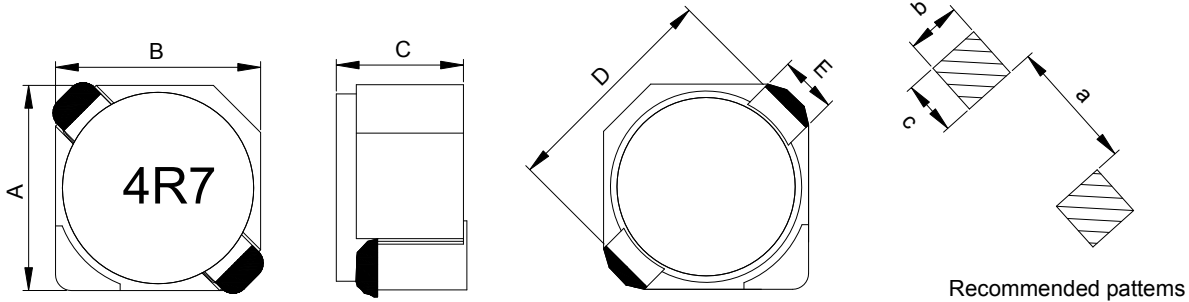


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	a	b	c	Q'TY/Reel
APD03T20	3.2Max	3.2Max	2.0Max	3.3Max	1.0Ref	1.7Ref	1.3Ref	1.3Ref	1000

2. Part Number Code

APD 03 I 20 N 4R7
 A B C D E F

A: Series Name Power Inductors
 B: Dimensions(mm) 03: 3.2x3.2 Max
 C: Materials H: Type
 D: Thickness(mm) 20: 2.0 Max
 E: Tolerance N: $\pm 30\%$
 F: Inductance 4R7=4.7uH

3. Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	DC Resistance (mΩ)Max.	Saturation Current Isat (A)
APD03T20N4R7	4.7	100KHz/0.25V	160	1.2

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 35%.
- 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.