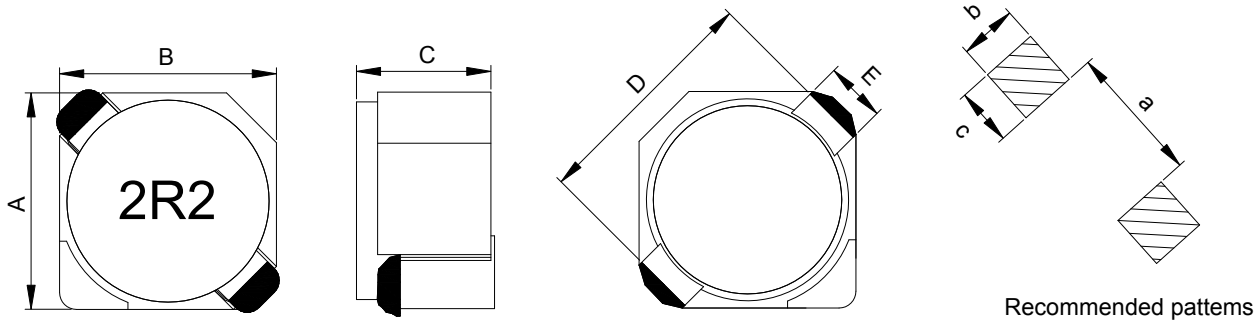


## 1. External Dimensions (Unit:m/m)



| 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    T    20    N    2R2  
 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: 2.0Max  
 E: Tolerance                          N:  $\pm 30\%$   
 F: Inductance                        2R2=2.2uH

## 3. Electrical Characteristics

| Part Number  | Inductance (uH) | Test Frequency (KHz) | DC Resistance (mΩ)Max. | Saturation Current Isat (A) |
|--------------|-----------------|----------------------|------------------------|-----------------------------|
| APD03T20N2R2 | 2.2             | 100KHz/0.25V         | 69                     | 1.6                         |

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  $\Delta T$  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.