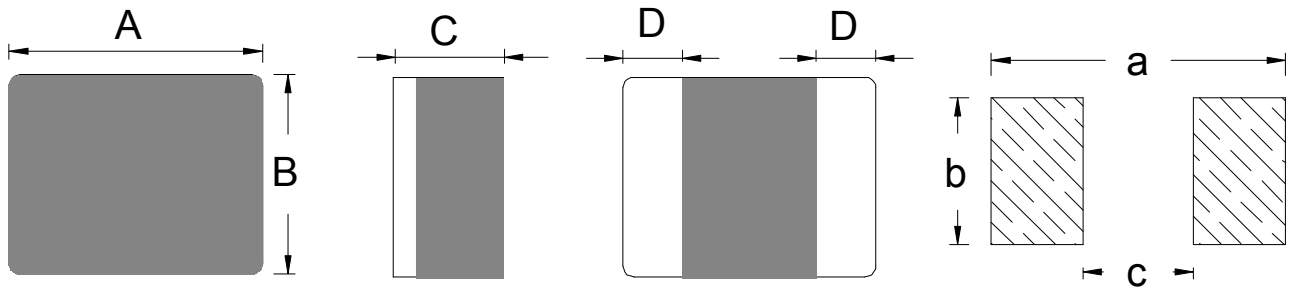


## 1. External Dimensions (Unit:m/m)



| Type     | A       | B       | C       | D      | a      | b      | c      | Q'TY/Reel |
|----------|---------|---------|---------|--------|--------|--------|--------|-----------|
| APS02A10 | 2.0±0.2 | 1.6±0.2 | 1.05Max | 0.5Ref | 2.2Ref | 1.8Ref | 0.8Ref | 3000      |

## 2. Part Number Code

APS    02    A    10    M    1R0  
 A        B        C        D        E        F

A: Series Name                      Molding Power Inductors  
 B: Dimensions(mm)                02: 2.0x1.6  
 C: Materials                          A: Type  
 D: Thickness(mm)                  10: 1.05 Max  
 E: Tolerance                          M: ±20%  
 F: Inductance                        1R0=1.0uH

## 3. Electrical Characteristics

| Part Number  | Inductance (μH) | Test Frequency (MHz) | DC Resistance (mΩ)Max. | Heat Rating Current DC(A) Max. | Saturation Current DC(A) Max. |
|--------------|-----------------|----------------------|------------------------|--------------------------------|-------------------------------|
| APS02A10M1R0 | 1.0             | 1MHz                 | 75.0                   | 2.65                           | 2.65                          |

Notes:

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