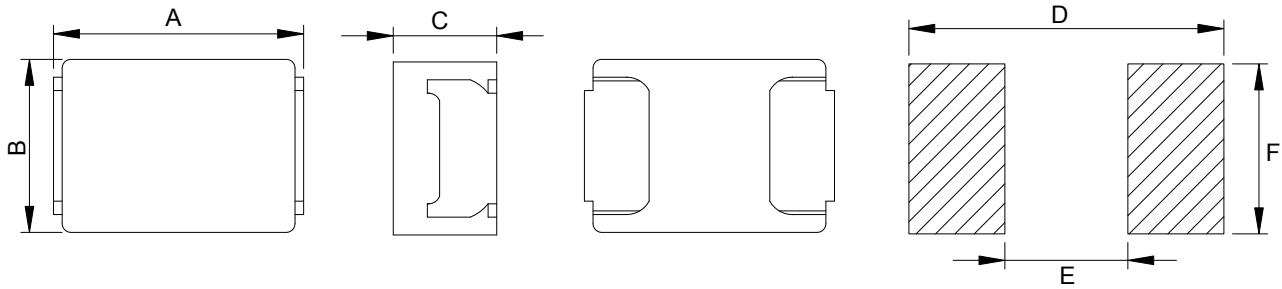


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	Q'TY/Reel
APS25K12	2.5±0.2	2.0±0.2	1.25Max	2.8Ref	1.2Ref	2.0Ref	3000

2. Part Number Code

APS 25 K 12 M 3R3
 A B C D E F

A: Series Name Molding Power Inductors
 B: Dimensions(mm) 25: 2.5x2.0
 C: Materials NO use
 D: Thickness(mm) 12: 1.25 Max
 E: Tolerance M: ±20%
 F: Inductance 3R3=3.3uH

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.
APS25K12M3R3	3.3	1MHz	150.0	1.8	2.1

Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Operating temperature range -40°C to +125°C.
- 3) Irms :DC current(A) that will cause an approximate ΔT of 40°C.
- 4) Isat :DC current(A) that will cause Io to drop approximately 40%.
- 5) The part temperature(ambient + temp rise)should not exceed 125°C 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.