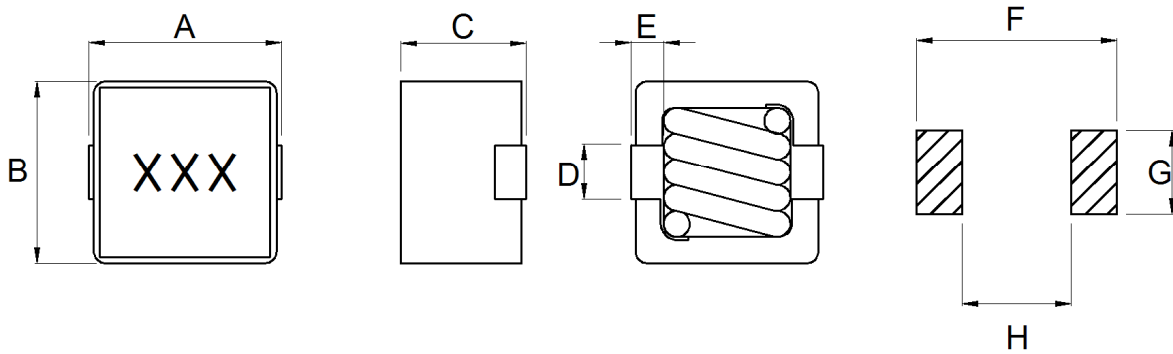


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	G	H	Q'TY/Reel
APL12A10	12.3Max	11.7Max	10.0Max	3.5±0.2	2.0±0.2	12.8Ref	5.4Ref	7.0Ref	300

2. Part Number Code

$\frac{APL}{A}$ $\frac{12}{B}$ $\frac{A}{C}$ $\frac{10}{D}$ $\frac{M}{E}$ $\frac{4R7}{F}$

A: Series Name Power Inductors
 B: Dimensions(mm) 12: 12.3x11.7
 C: Materials NO use
 D: Thickness(mm) 10: 10.0 Max
 E: Tolerance M: ±20%
 F: Inductance 4R7=4.7uH

3. Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	DCR(mΩ) Max. @25℃	Heat Rating Current DC(A) Typical	Saturation Current DC(A) Typical
APL12A10M4R7	4.7	100KHz/1V	8.8	12.0	15.0

Notes:

- All test data is referenced to 25℃ ambient.
- Operating Temperature Range-40℃ to +125℃.
- 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, PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature, Part temperature should be verified in the end application.