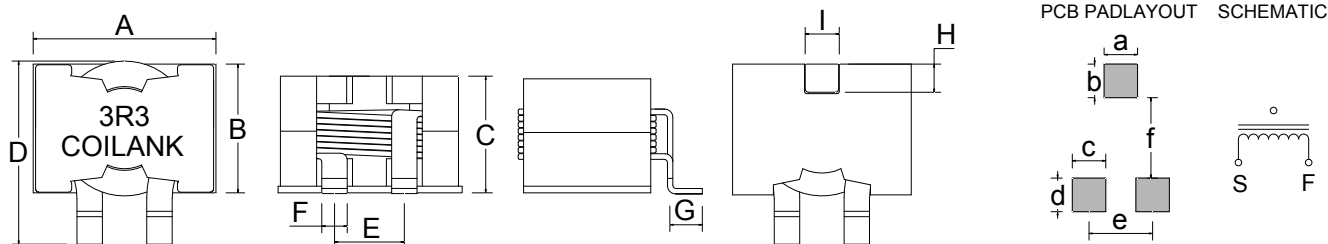


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	G	H	I	a	b	c	d	e	f	Q'TY/Reel
APR2918	27.9 Max	19.8 Max	17.78 Max	27.9 Max	10.4 ±0.5	3.8 ±0.3	3.8 Min	5.0 ±0.3	4.0 ±0.3	6.35 Ref	5.28 Ref	5.33 Ref	5.6 Ref	10.15 Ref	16.64 Ref	90

2. Part Number Code

APR 29 18 K 3R3
 A B C D E

A: Series Name High Current Power Inductors
 B: Dimensions(mm) 29: 27.9x19.8 Max
 C: Thickness(mm) 18: 17.78 Max
 D: Tolerance K: ±10%
 E: Inductance 3R3=3.3uH

3. Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency	DCR(mΩ) Max.	Heat Rating Current Irms (A)	Saturation Current Isat (A)
APR2918K3R3	3.3	100KHz/0.1V	2.86	28.0	93.6

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 I_o to drop approximately 30%.
- 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.