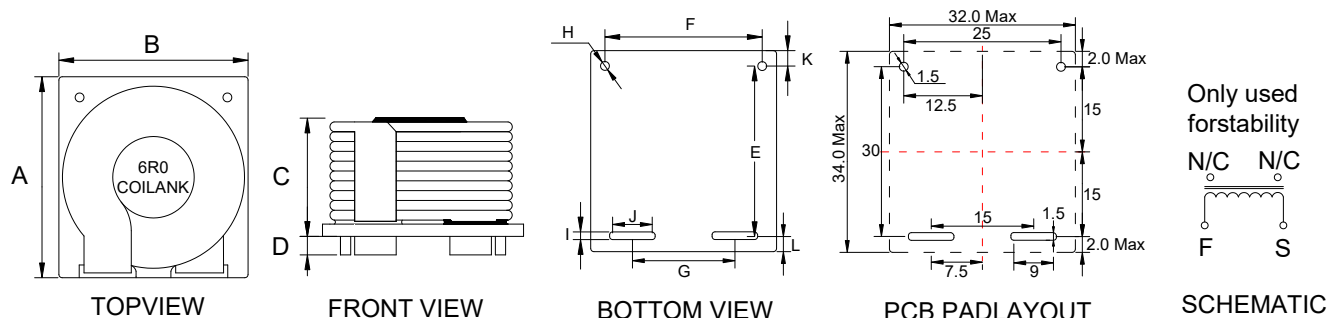


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	G	H	I	J	Q' TY/Box
APR3420	34.0Max	32.0Max	19.5±0.5	3.3±0.3	30.0±1.0	25.0±0.5	15.0±0.5	1.0±0.1	0.8±0.2	8.0±0.1	100

2. Part Number Code

APR 3420 R 6R0 C
 A B C D E

A: Series Name High Current Power Inductors
 B: Dimensions(mm) 3420: 34.0x32.0x19.5
 C: Tolerance R: 5~7uH
 D: Inductance 6R0=6uH
 E: Internal controls

3. Electrical Characteristics

Part Number	Inductance (uH)	Hollow Coil (uH) Min.	Test Frequency (KHz)	DCR(mΩ) Max.	Heat Rating Current Irms(A)Typ.	Saturation Current Isat(A)Typ.
APR3420R6R0C	6.0	2.5	100KHz/1V	3.85	40.0	50.0

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 ΔT of 50°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.