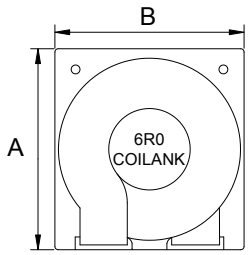
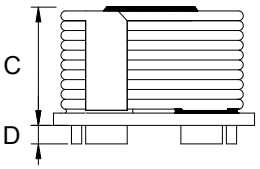
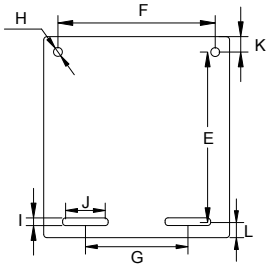
1. External Dimensions (Unit:m/m)



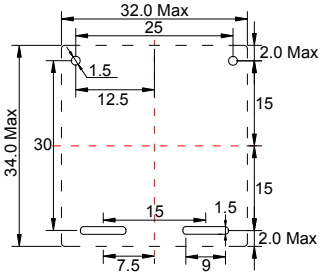
TOPVIEW



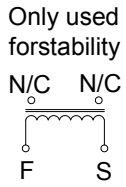
FRONT VIEW



BOTTOM VIEW



PCB PADLAYOUT



SCHEMATIC

Type	A	B	C	D	E	F	G	H	I	J	Q'TY/Box
APRC34A20	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

APRC	34	A	20	R	6R0
A	B	C	D	E	F

A:	Series Name	High Current Power Inductors
B:	Dimensions(mm)	34：34.0x32.0 Max
C:	Materials	A： Type
D:	Thickness(mm)	20：19.5±0.5
E:	Tolerance	R： 5~7uH
F:	Inductance	6R0=6uH

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.
APRC34A20R6R0	6.0	2.5	100KHz/1V	3.85	40.0	50.0

Notes:

1）All test data is referenced to 25℃ ambient.

2）Operating temperature range -40℃ to +125℃,(Including self - temperature rise).

3）Irms :DC current(A) that will cause an approximate△T of 50℃.

4）Isat :DC current(A) that will cause lo to drop approximately 30%.

5）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.