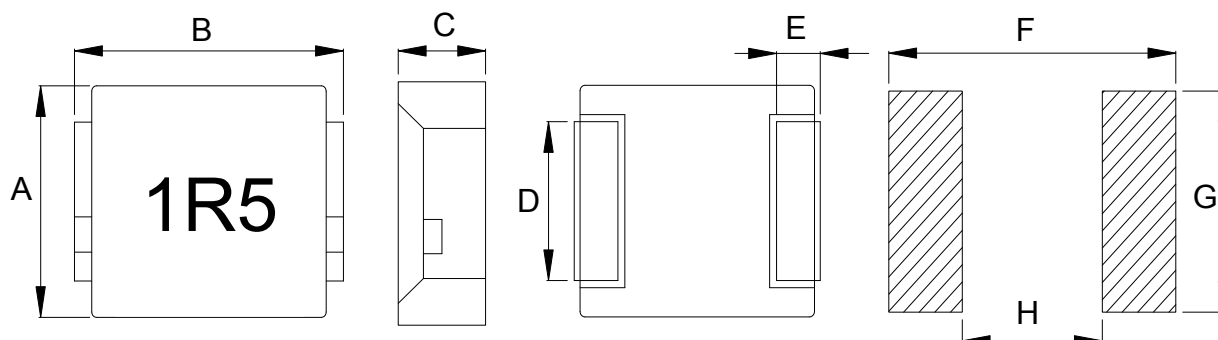


1. External Dimensions (Unit:m/m)



Type	A	B	C	D Typ.	E Typ.	F Typ.	G Typ.	H Typ.	Q'TY/Reel
AAPS0420	4.0±0.3	4.8Max	2.0Max	1.5	0.8	5.2	2.5	2.2	3000

2. Part Number Code

AAPS	04	20	M	1R5	D
Series Name	Dimensions: L*W	Dimensions: H	Tolerance ±20%	Inductance	Materials

3. Electrical Characteristics

Part Number	Inductance (uH)	Test Conditions	DC Resistance (mΩ) Max.	DC Current Irms(A)Typ.	DC Current Isat(A)Typ.
AAPS0420M1R5D	1.5	100K Hz/1V	45.5	5.05	6.05

Notes:

- 1) AEC-Q200 qualified.
- 2) All test data is referenced to 25°C ambient.
- 3) Absolute maximum voltage 30V DC.
- 4) Operating temperature range -55°C to +155°C(Including self - temperature rise).
- 5) Irms :DC current(A) that will cause an approximate ΔT of 40°C.
- 6) Isat :DC current(A) that will cause I_o to drop approximately 40%.
- 7) The part temperature(ambient + temp rise)should not exceed 155°C under worst case operating conditions. Circuit design and other cooling provisions all affect the part temperature, part temperature should be verified in the end application.