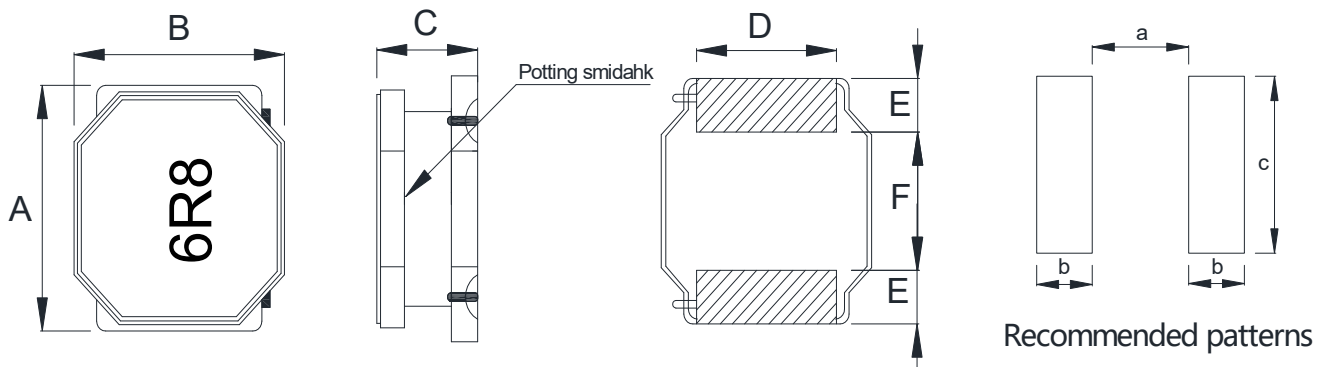


1. External Dimensions (Unit:mm)



Type	A	B	C	D Typ.	E Typ.	F Typ.	a Typ.	b Typ.	c Typ.	Q'TY/Reel
NR4020	4.0±0.2	4.0±0.2	2.0Max	3.5	1.0	2.0	1.3	1.5	3.8	3000

2. Part Number Code

NR	4020	M	6R8	UH
Series Name	Dimensions: L*W	Tolerance ±20%	Inductance	Materials

3. Electrical Characteristics

Part Number	Inductance (μH)	Test Conditions	DC Resistance mΩ Max	Heat Rating Current Irms(A)	Saturation Current Isat(A) (100KHz/1V)
NR4020M6R8UH	6.8	1MHz/1V	156	2	3

Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Absolute maximum voltage: DC 40V.
- 3) Operating temperature range -40°C to +125°C (Including self - temperature rise).
- 4) Irms :DC current(A) that will cause an approximate ΔT of 40°C.
- 5) Isat :DC current(A) that will cause I_o to drop approximately 35% .
- 6) The part temperature(ambient + temp rise) should not exceed 125°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.