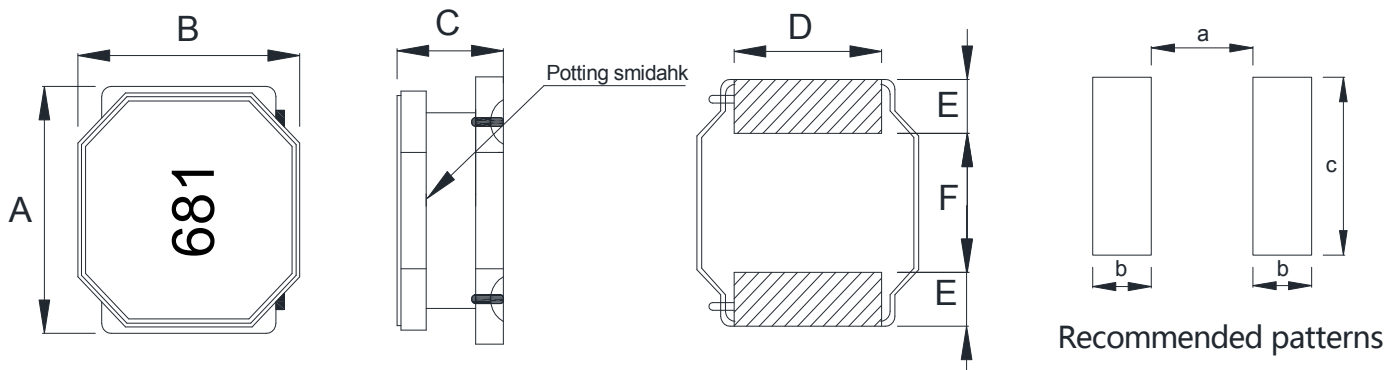


1. External Dimensions (Unit:m/m)



Type	A	B	C	D Typ.	E Typ.	F Typ.	a Typ.	b Typ.	c Typ.	Q'TY/Reel
NR5040	5.0±0.2	5.0±0.2	4.0Max	4.0	1.5	2.0	1.7	1.8	4.3	1500

2. Part Number Code

NR	50	40	M	681	AS
Series Name	Dimensions: L*W	Dimensions: H	Tolerance ±20%	Inductance	Materials

3. Electrical Characteristics

Part Number	Inductance (uH)	Test Conditions	DC Resistance (Ω) ±30%	DC Current Irms(A)	DC Current Isat(A)
NR5040M681AS	680	100K Hz/1V	3.9	0.25	0.3

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 40°C.
- 4) Isat :DC current(A) that will cause I_o to drop approximately 35% .
- 5) 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.