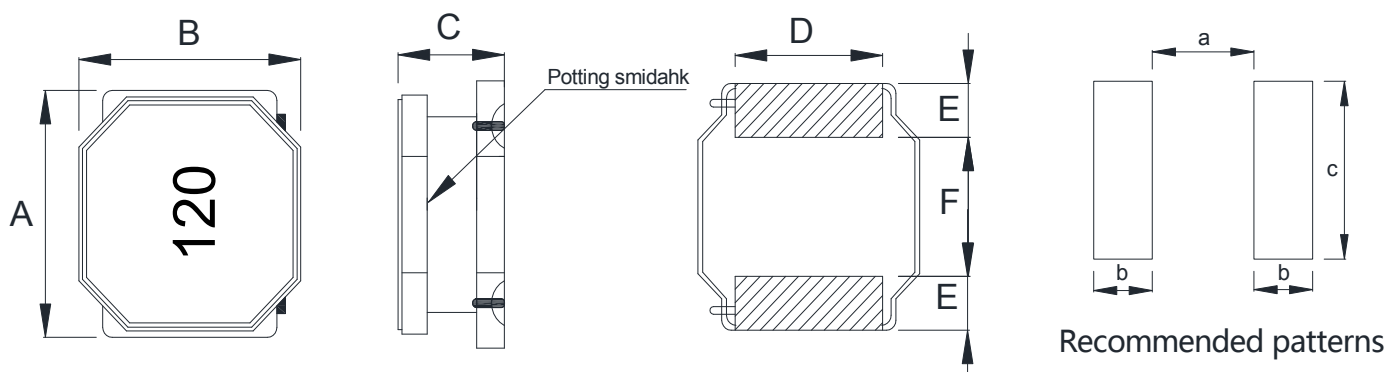


1. External Dimensions (Unit:m/m)



Type	A	B	C	D Typ.	E Typ.	F Typ.	a Typ.	b Typ.	c Typ.	Q'TY/Reel
NR4030	4.0±0.2	4.0±0.2	3.0Max	3.5	1.35	1.3	1.0	1.65	3.8	2000

2. Part Number Code

NR	40	30	M	120	AS
Series Name	Dimensions: L*W	Dimensions: H	Tolerance ±20%	Inductance	Materials

3. Electrical Characteristics

Part Number	Inductance (uH)	Test Conditions	DC Resistance (mΩ) ±30%	DC Current Irms(A)	DC Current Isat(A)
NR4030M120AS	12	100K Hz/1V	130	1.34	1.75

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.