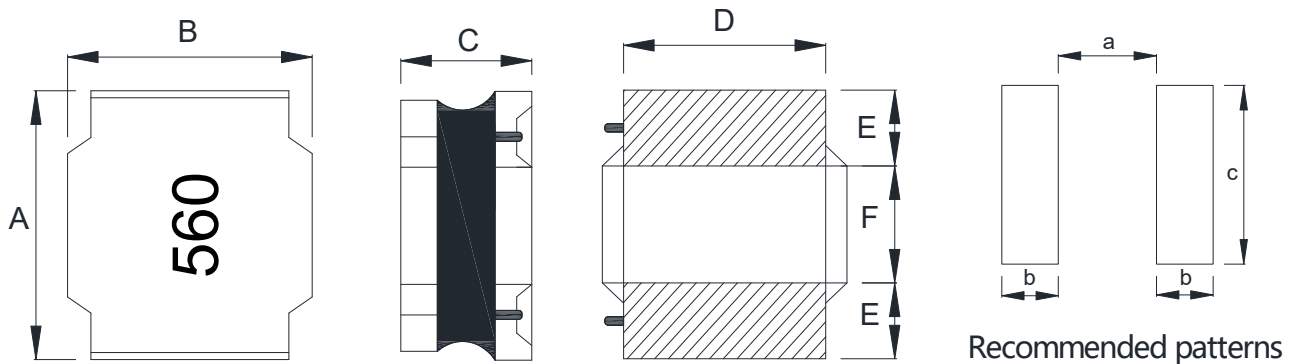


1. External Dimensions (Unit:mm)



Type	A	B	C	D Typ.	E Typ.	F Typ.	a Typ.	b Typ.	c Typ.	Q'TY/Reel
NR8040	8.0±0.3	8.0±0.3	4.2Max	6.3	2.45	3.1	2.8	2.75	6.6	1000

2. Part Number Code

NR	8040	M	560	A
Series Name	Dimensions: L*W	Tolerance ±20%	Inductance	Materials

3. Electrical Characteristics

Part Number	Inductance (μH)	Test Conditions	DC Resistance (mΩ) ±30%	Heat Rating Current Irms(A)	Saturation Current Isat(A)
NR8040M560A	56	100K Hz/1V	148	1.49	1.6

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.