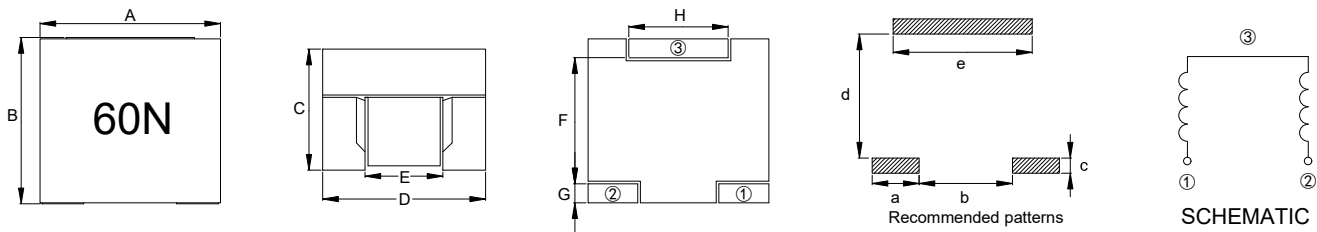


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	G	H	a	b	c	d	e	Q'TY/ Reel
AIS060655	6.2 ±0.2	6.2 ±0.2	5.5 Max	6.1 ±0.3	2.6 ±0.3	5.2 ±0.3	0.45 ±0.1	3.5 ±0.2	2.2 Ref	2.1 Ref	1.0 Ref	4.7 Ref	4.5 Ref	800

2. Part Number Code

AIS 060655 M 60N LC
 A B C D E

A: Series Name Power Inductors
 B: Dimensions(mm) 060655: 6.2x6.2x5.5
 C: Tolerance M: ±20%
 D: Inductance 60N=60nH
 E: Internal controls

3. Electrical Characteristics

Part Number	Inductance (nH)	Test Frequency (KHz)	DC Resistance (mΩ)Max	Heat Rating Current I _{rms} (A)	Saturation Current I _{sat} (A)
AIS060655M60NLC	60	100KHz/1V	0.45	34	60

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) I_{rms} :DC current(A) that will cause an approximate ΔT of 40°C.
- 4) I_{sat} :DC current(A) that will cause I_o to drop approximately 20%.
- 5) The part temperature(ambient + temp rise)should not exceed 125°C under worst case operating conditions. Circuit design,component placement, PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature,part temperature should be verified in the end application.