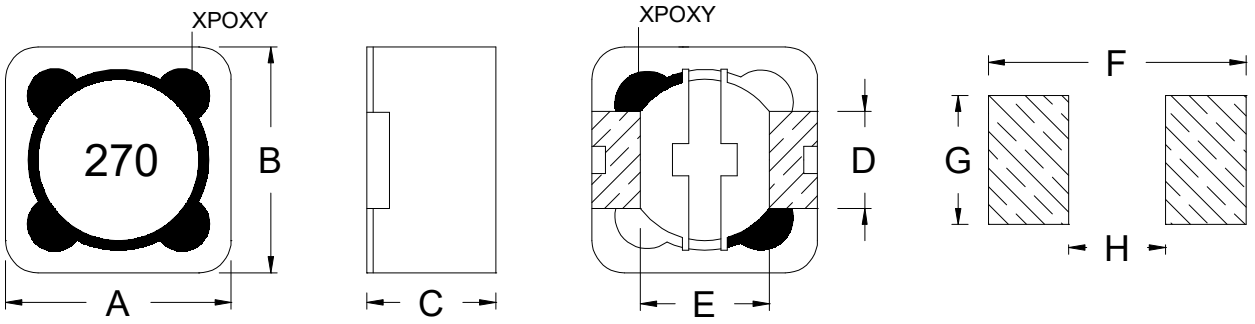
1. External Dimensions (Unit:m/m)



TYPE	A	B	C	D	E	F	G	H	Q'TY/Reel
RH129	12.5Max	12.5Max	10.0Max	5.0Ref	7.6Ref	12.6Ref	5.4Ref	7.0Ref	300

2. Part Number Code

RH	129	M	270	A
A	B	C	D	E

A: Series Name — Power Inductors
B: Dimensions(mm) — 129：12.5x12.5x10.0 Max
C: Tolerance — M：±20%
D: Inductance — 270=27μH
E: Internal controls

3. Electrical Characteristics

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (mΩ)Max.	Heat Rating Current Irms(A)	Saturation Current (A)Max.
RH129M270A	27.0	100KHz/0.25V	38.2	4.54	6.0

Notes:

1）All test data is referenced to 25℃ ambient.

2）Operating temperature range -40℃ to +105℃,(Including self - temperature rise).

3）Irms :DC current(A) that will cause an approximate△T of 40℃.

4）Isat :DC current(A) that will cause lo to drop approximately 35%.

5）The part temperature(ambient + temp rise)should not exceed 105℃ 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.