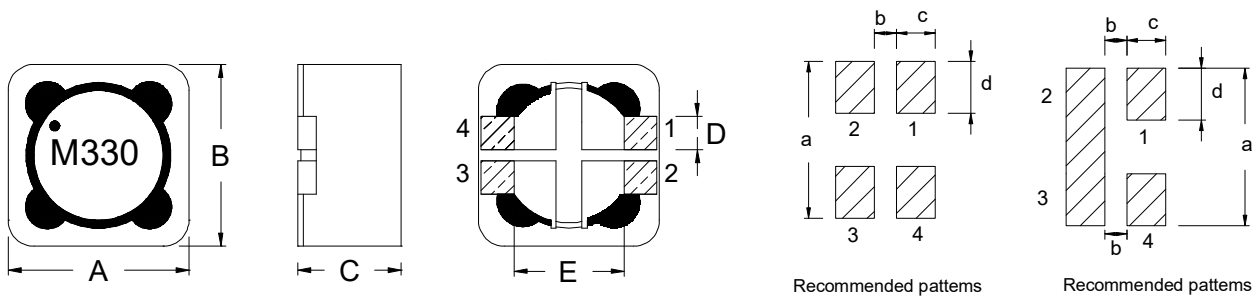
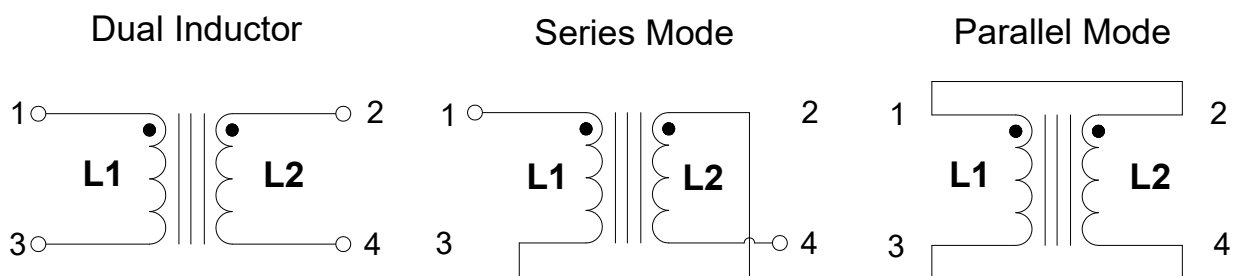


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	a	b	c	d	Q'TY/Reel
RH127	12.5Max	12.5Max	8.0Max	2.0Ref	8.0Ref	13.8Ref	0.5Ref	2.5Ref	3.85Ref	350

2. Schematics



3. Part Number Code

RH 127 M 330 M
 A B C D E

A: Series Name Power Inductors
 B: Dimensions(mm) 127: 12.5x12.5x8.0 Max
 C: Tolerance M: $\pm 20\%$
 D: Inductance 330=33uH
 E: Internal controls

4. Electrical Characteristics

Part Number	Winding	Inductance (μ H)	Test Frequency (KHz)	DC Resistance (m Ω)Typ.	Heat Rating Current Irms(A)	Saturation Current Isat(A)
RH127M330M	L(1,2-3,4) Parallel Ratings	33.92	100KHz/0.25V	59.4	3.26	6.29
	L(1-4)(2,3) Series Ratings	135.7	100KHz/0.25V	239	1.63	3.15

Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Operating temperature range -40°C to +105°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 105°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.