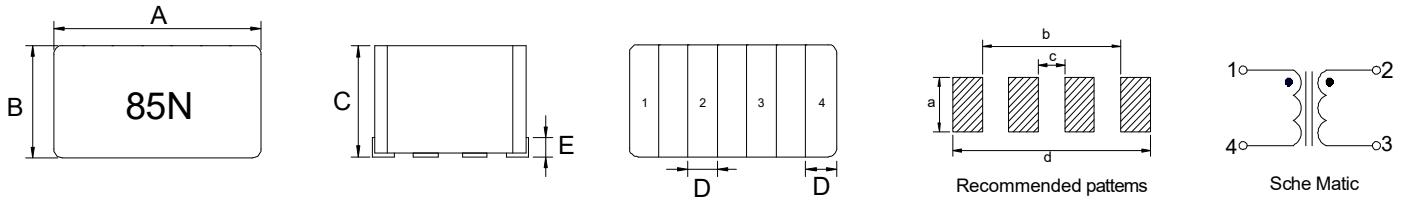


1. External Dimensions (Unit:m/m)



TYPE	A	B	C	D	E	F	a	b	c	d	Q'Ty/Ree I
TLVR080506	7.2±0.3	4.6±0.2	5.8±0.2	1.0±0.2	1.0±0.2	0.8 Ref	5.0Ref	4.9Ref	0.6Ref	7.7Ref	600

2. Part Number Code

TLVR 080560 M 85N NAM
 A B C D E

A: Series Name Molding Power Inductors
 B: Dimensions(mm) 08: 7.2x4.6x5.8
 E: Tolerance M: ±20%
 F: Inductance 85N=85nH
 G: Internal controls

3. Electrical Characteristics

Part Number	Inductance (nH) @100KHz/1V	FLL (1-4) (nH)	DC Resistance (mΩ)±20%		Heat Rating Current I _{rms} (A)Max	Saturation Current I _{sat} (A)Typ	Hi-Pot (V)	Kps
		Min	1-4	2-3	1-4	1-4	Min	Typ
TLVR080506M85NAM	85	47	0.175	0.55	62	90	70	0.9

Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Operating temperature range -55°C to +125°C.
- 3) FLL: tested @100 kHz, 1.0 V_{rms}, I_{sat}, applied for +25°C.
- 4) I_{rms}: DC current(A) that will cause an approximate ΔT of 40°C.
- 5) I_{sat}: DC current(A) that will cause I_o to drop approximately 30%.
- 6) 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.