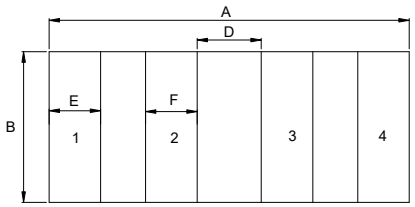
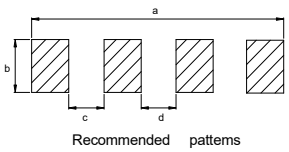
1. External Dimensions (Unit:m/m)





TYPE	A	B	C	D	E	F	a	b	c	d	Q'Ty/Reel
TLVR585048	5.8±0.2	5.0Max	4.8±0.2	0.7±0.2	0.8±0.2	0.8±0.2	6.1Ref	5.1Ref	0.75Ref	0.5Ref	800

2. Part Number Code

TLVR	585048	M	75N	DM
A	B	C	D	E

A: Series Name — Molding Power Inductors
B: Dimensions(mm) — 585048：5.8x5.0x4.8
C: Tolerance — M： ±20%
D: Inductance — 75N=75nH
E: Internal controls

3. Electrical Characteristics

Part Number	Inductance L1-4/L2-3(nH) @1MHz/1V	DC Resistance (mΩ) Max		Heat Rating Current Irms (A)		Saturation Current Isat (A)	
		1-4	2-3	Typ	Max	Typ	Max
TLVR585048M75NDM	75	0.3	0.65	25	20	55	50

Notes:

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

2）Operating temperature range -55℃ to +125℃.

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 30%.

5）The part temperature(ambient + temp rise)should not exceed 125℃ 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.