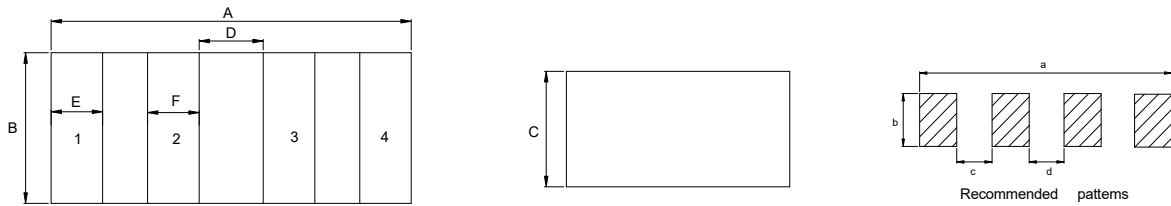


1. External Dimensions (Unit:m/m)



TYPE	A	B	C	D	E	F	a	b	c	d	Q'Ty/Ree I
TLVR116011	11.8±0.2	6.0Max	11.0Max	1.55±0.2	1.8±0.2	1.24±0.2	12.2 Ref	6.2 Ref	1.9 Ref	1.35 Ref	300

2. Part Number Code

TLVR 116011 M R12 DM
 A B C D E

A: Series Name Molding Power Inductors
 B: Dimensions(mm) 116011: 11.8x6.0x11
 C: Tolerance M: ±20%
 D: Inductance R12=120nH
 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
TLVR116011MR12DM	120	0.135	0.4	45	40	120	110

Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Operating temperature range -55°C to +125°C.
- 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 30%.
- 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.