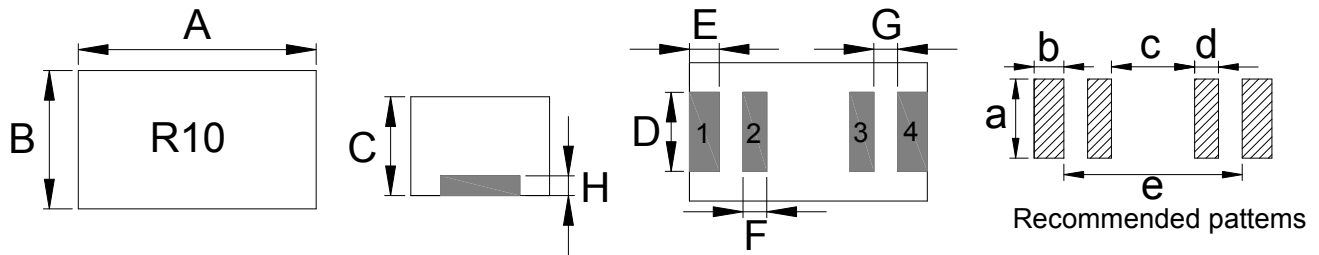


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	G	H	a	b	c	d	e	Q'TY/Reel
TLVR120750	12.0 Max	7.0 Max	5.0 Max	4.5 ±0.15	1.5 ±0.15	1.2 ±0.15	1.2 ±0.15	0.5 Min	4.7 Ref	1.7 Ref	3.1 Ref	1.4 Ref	8.3 Ref	1000

2. Part Number Code

TLVR 120750 M R10 NS
 A B C D E

A: Series Name Molding High Current Inductors
 B: Dimensions(mm) 120750: 12.0x7.0x5.0
 C: Tolerance M: ±20%
 D: Inductance R10=100nH
 E: Internal controls

3. Electrical Characteristics

Part Number	Inductance (nH) 1-4/2-3	Li (nH) Min 1-4/2-3	Test Frequency (KHz)	DC Resistance (mΩ) Max		Heat Rating Current Irms (A)		Saturation Current Isat (A)
				1-4	2-3	1-4	2-3	
TLVR120750MR10NS	100	56	100KHz/1V	0.3	0.8	72	35	75

Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Operating temperature range -40°C to +125°C,(Including self - temperature rise).
- 3) Irms :DC current(A) that will cause an approximate ΔT of 40°C.
- 4) Isat is the DC current which causes the inductance drop to Li.
- 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.