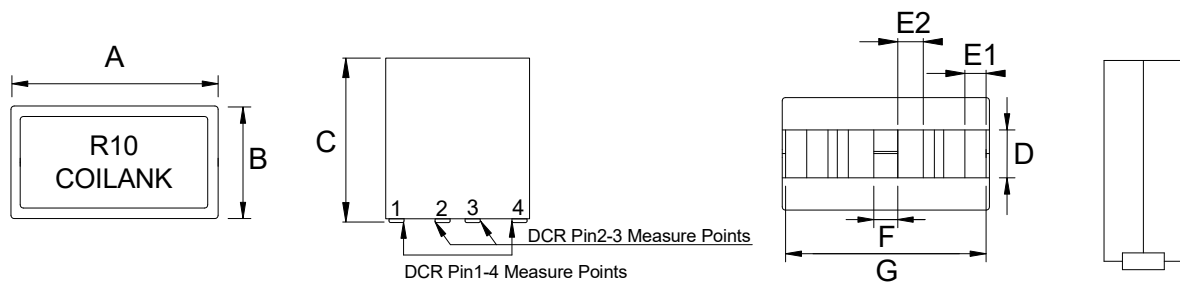


1. External Dimensions (Unit:m/m)



Type	A	B	C	D	E1	E2	F	G	Q'TY/Reel
TLVR120612	12.0 Max	6.0 Max	12.1 Max	2.6± 0.3	1.63± 0.3	1.27± 0.3	1.35± 0.3	11.7± 0.3	300

2. Part Number Code

TLVR 120612 L R10 HC
 A B C D E

A: Series Name Power Inductors
 B: Dimensions(mm) 120612: 12.0x6.0x12.1Max
 E: Tolerance L: ±15%
 F: Inductance R10=100nH
 G: Internal Controls

3. Electrical Characteristics

Part Number	Inductance (nH) 1-4/2-3	Test Frequency (KHz)	L2 (nH) Min	DC Resistance (mΩ)±10%		Heat Rating Current Irms (A)		Saturation Current Isat (A)
			1-4	1-4	2-3	1-4	2-3	
TLVR120612LR10HC	100	100KHz/1V	74	0.125	0.37	75	40	130

Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Product flatness 0.1mm Max
- 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 L2.
- 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.