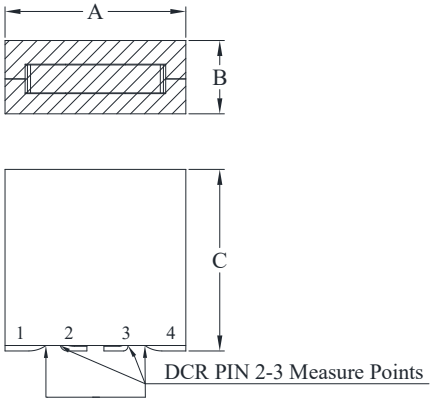
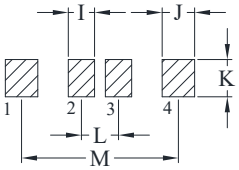
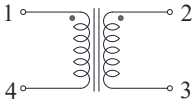
DELTA P/N: TLM125012F Series

Mechanical Dimensions & Schematic

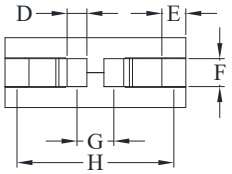




Suggested PWB Layout



Schematic



UNIT : mm
A = 12.0 MAX
B = 5.0 MAX
C = 12.1 MAX
D = 1.28
E = 1.55
F = 1.80
G = 2.375
H = 10.15
I = 1.70
J = 2.10
K = 2.40
L = 2.40
M = 10.15

Electrical Characteristics @ 25°C, 100kHz, 1V

Delta P/N	L (nH) ± 15%	Li (nH) MIN	DCR (mΩ) ± 10%		Isat [1] (A)			Ir [2] (A)	Ir [2] (A)
			1-4	2-3	25°C	100°C	125°C	1-4	2-3
TLM125012F-700	70	50	0.125	0.45	145	126	113	75	40
TLM125012F-101	100	72			103	89	82		
TLM125012F-121	120	86			85	74	68		

1. Isat is the DC current which causes the inductance drop to Li.
2. Ir is the DC current which causes the surface temperature of the part increase approximately 40 °C.
3. Operating temperature: -40°C to 125°C (Self-temperature rise included).