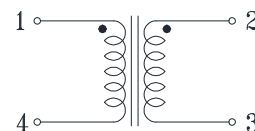
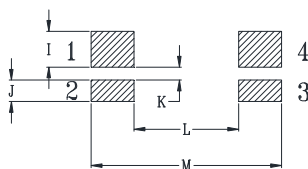
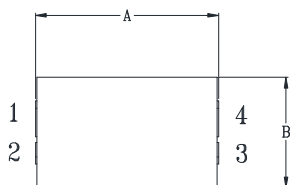




DELTA P/N : TLB138050F Series

Mechanical Dimensions & Schematic

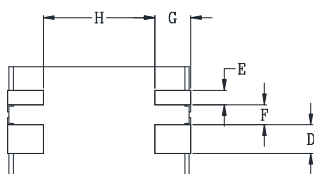


Schematic



Suggested PWB Layout

UNIT : mm
 A = 13.0 MAX
 B = 8.0 MAX
 C = 5.0 MAX
 D = 2.0
 E = 1.1
 F = 1.2
 G = 2.5
 H = 7.8
 I = 2.5
 J = 1.6
 K = 0.7
 L = 7.3
 M = 13.3



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

Delta P/N	L (nH) ± 15%	Li (nH) MIN	DCR (mΩ) ±15%		Isat ¹ (A)		Ir ² (A)	
			1-4	2-3	25°C	125°C	1-4	2-3
TLB138050F-101	100	64	0.55	0.99	90	72	30	22
TLB138050F-121	120	77			73	58		
TLB138050F-151	150	96			57	46		
TLB138050F-181	180	115			45	36		
TLB138050F-201	200	128			39	31		

1. Isat is the DC current which causes the inductance drop not lower than 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).