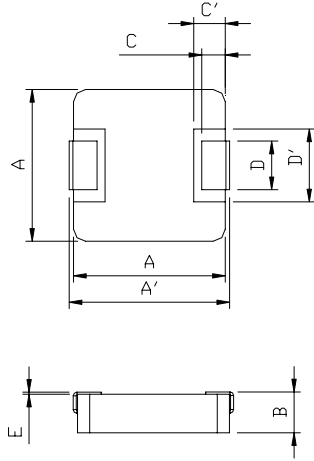




DELTA P/N : MPT135-H1 Series

Mechanical dimensions



Code	Unit : mm	
	R36 / R50 / R68 / R82 1R0 / 1R5 / 1R8	2R2 / 3R3 / 100 / 220 270 / 330 / 470
A'	13.45 ± 0.35	
A	12.6 ± 0.2	
B	4.8 ± 0.2	
C	2.0 ± 0.5	
C'	2.5 ± 0.1	
D	4.0 ± 0.5	3.0 ± 0.5
D'	6.0 ± 0.2	
E	0~0.15	
F	5.0	
G	8.0	
H	14.5	

Electrical Characteristics

Part No.	Lo @0A (uH) ± 20%	Ir(Adc)	Isat(Adc)	DCR (mΩ)	
				TYP.	MAX
MPT135-R36H1	0.36	42.0	50.0	0.74	0.85
MPT135-R50H1	0.50	38.0	48.0	1.0	1.2
MPT135-R68H1	0.68	33.0	46.0	1.35	1.55
MPT135-R82H1	0.82	30.0	39.0	1.45	1.67
MPT135-1R0H1	1.0	26.0	35.0	1.9	2.2
MPT135-1R5H1	1.5	23.0	33.0	2.8	3.2
MPT135-1R8H1	1.8	23.0	27.0	2.8	3.2
MPT135-2R2H1	2.2	15.0	24.0	4.0	5.0
MPT135-3R3H1	3.3	14.0	22.0	5.9	7.0
MPT135-100H1	10.0	9.0	12.0	19.0	22.0
MPT135-220H1	22.0	4.5	6.5	51.0	58.0
MPT135-270H1	27.0	4.0	6.3	58.0	66.0
MPT135-330H1	33.0	3.5	6.0	75.0	84.0
MPT135-470H1	47.0	3.0	5.0	116.0	130.0

NOTES:

- (1) All test data is referenced to 25°C ambient.
- (2) Ir is the DC current which cause the surface temperature of the part increase approximate 40°C
- (3) Isat is the DC current which cause the inductance drop approximate 30% of Lo.
- (4) Operating temperature range -55°C to 125°C. (The part temperature should be kepted under 125°C when the worse operating condition apply on it. Circuit design, component placement, PWB tracesize and thickness, airflow and other cooling provision may affect the part temperature. Part temperature should be verified in the end application.)
- (5) The rated current is depended on Ir and Isat which one is lower.