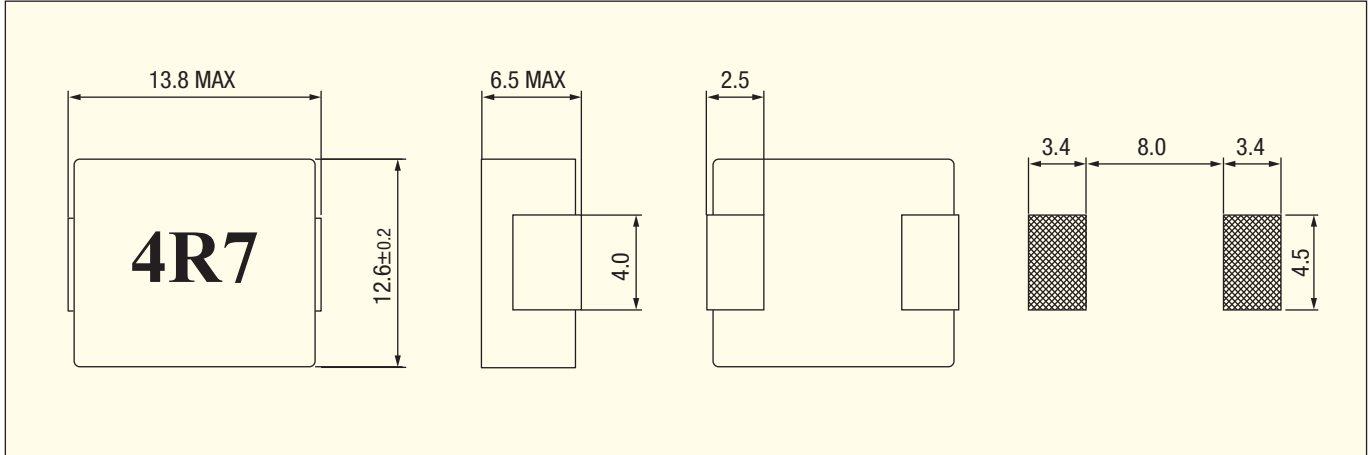


MPIP1365 SERIES

STANDARD EXTERNAL DIMENSIONS - mm



PRODUCT SPECIFICATION

Part Number	Inductance ($\mu\text{H} \pm 20\%$)	DC Resistance ($\text{m}\Omega \text{MAX}$)	DC Resistance ($\text{m}\Omega \text{TYP}$)	Saturation Current (A TYP.) ⁽¹⁾	Temperature Rise Current (A TYP.) ⁽²⁾
MPIP1365-1R0M	1.0	3.0	2.5	49.0	32.0
MPIP1365-2R2M	2.2	5.0	4.1	38.0	26.0
MPIP1365-3R3M	3.3	6.8	5.5	35.0	18.0
MPIP1365-4R7M	4.7	10.0	7.5	30.0	14.0
MPIP1365-6R8M	6.8	16.0	12.0	18.0	11.0
MPIP1365-8R2M	8.2	17.0	14.0	17.0	10.0
MPIP1365-100M	10	21.0	19.0	16.0	9.0
MPIP1365-150M	15	41.0	37.0	11.0	7.5
MPIP1365-220M	22	55.0	50.0	10.0	6.5
MPIP1365-330M	33	68.0	62.0	8.5	5.5
MPIP1365-470M	47	85.0	75.0	5.5	2.7
MPIP1365-680M	68	115	91.0	4.5	2.4
MPIP1365-101M	100	194	175	3.5	1.9

1. All Test Data is Referenced to 25°C Ambient Measuring Condition : 100kHz, 100mV Tolerance of Inductance : $\pm 20\%$

2. Saturation Rated Current : 30% lower than its initial value

3. Temperature Rise Current : $\Delta T = 40^\circ\text{C}$

4. Temperature of components should be checked in the end application Operating Temperature : $-55^\circ\text{C} \sim 155^\circ\text{C}$

† Transient pulse not to exceed 1 millisecond.

†† Maximum operating frequency less than 10MHz, consult factory for application specific values.