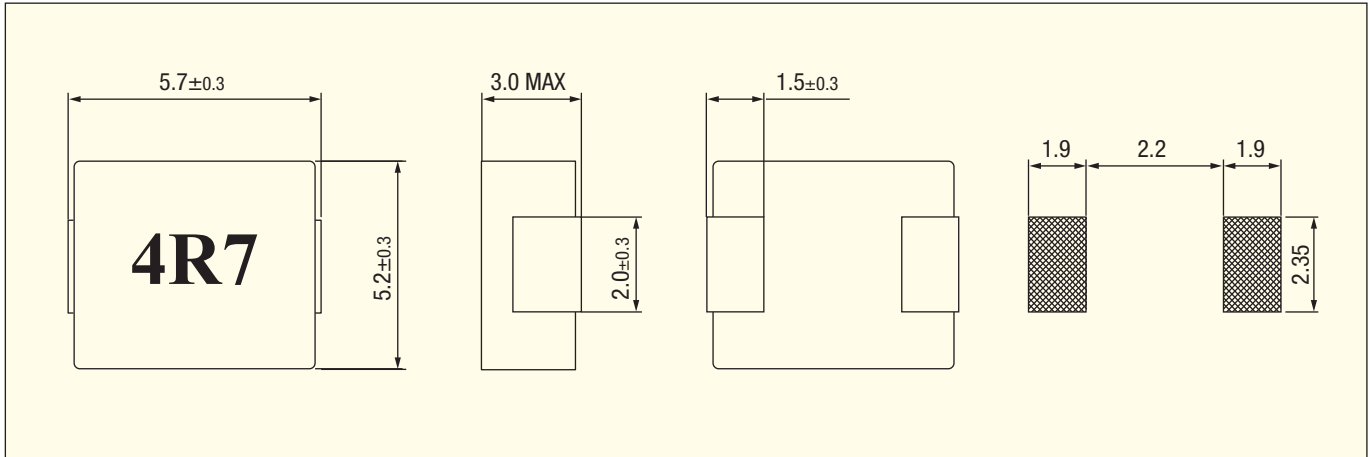


MPIP0530 SERIES

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⁾
MPIP0530-R68MC	0.68	12	10	14	8.0
MPIP0530-1R0MC	1.0	15	13	11.0	7.0
MPIP0530-1R5MC	1.5	20	16	7.0	8.0
MPIP0530-2R2MC	2.2	26	24	5.5	7.0
MPIP0530-3R3MC	3.3	36	32	5.0	6.5
MPIP0530-4R7MC	4.7	60	52	4.5	4.5
MPIP0530-6R8MC	6.8	110	85	5.0	3.0
MPIP0530-100MC	10	126	90	4.5	1.5
MPIP0530-150MC	15	265	170	2.5	2.1

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.