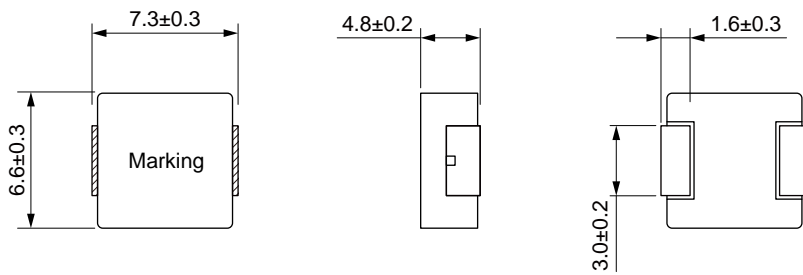
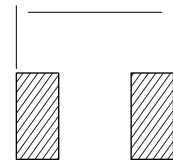


**MDSA Series**  
**SMD Low Profile High Current Molded Inductor**  
**Size 7050**

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @ 100KHz/1V	Tolerance	Temperature Rise Current Typ. (A)	Current Typ. (A)	DC Resistance Typ.	DC Resistance Max.
MDSA7050-100M	10.0	±20%	6.6	5.6	45.0	54.0
MDSA7050-150M	15.0	±20%	4.7	3.8	74.0	86.0
MDSA7050-220M	22.0	±20%	4.0	3.4	124	144
MDSA7050-330M	33.0	±20%	2.8	2.0	145	172
MDSA7050-470M	47.0	±20%	2.5	1.7	278	325

Saturation Current will cause L to drop approximately 30%

Temperature Rise Current: The actual value of DC current when the temperature rise is  $\Delta T=40^{\circ}\text{C}$

### Typical Electrical Characteristics:

