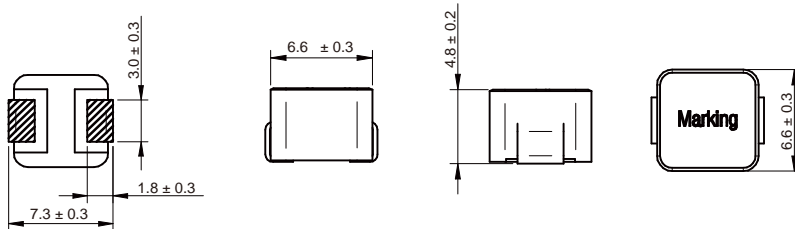


SMD Low Profile High Current Molded Inductor Size 7050

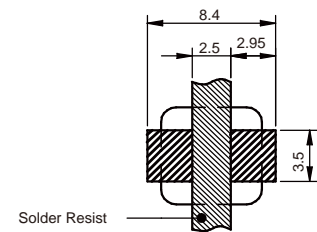


- High saturation current due to CIP material
- Nature air gap and no acoustic noise
- Different sizes available
- Quantity: 800pcs
- High current DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance (µH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation current Typ. (A)	DCR Typ. (mΩ)	DCR Max. (mΩ)
MD7050-R33M	0.33	±20%				3.0
MD7050-R47M	0.47	±20%		30		
MD7050-R56M	0.56	±20%	20			
MD7050-R68M	0.68	±20%	18		4.0	
MD7050-R82M	0.82	±20%				
MD7050-1R0M	1.00	±20%		20		
MD7050-1R2M	1.20	±20%		18		
MD7050-1R5M	1.50	±20%			8.6	9.0
MD7050-2R2M	2.20	±20%	10			
MD7050-3R3M	3.30	±20%	8.0			20.9
MD7050-4R7M	4.70	±20%		10	28	30.8
MD7050-5R6M	5.60	±20%	6.0	9.0		
MD7050-6R8M	6.80	±20%		8.5		
MD7050-8R2M	8.20	±20%	5.0	8.0		
MD7050-100M	10.0	±20%	4.0		60	
MD7050-150M	15.0	±20%		6.0	81	

Part No	Inductance (μH)	Tolerance	Temperature Rise Current Typ. (A)	Satura on current Typ. (A)	DCR Typ. (m Ω)	DCR Max. (m Ω)
MD7050-220M	22.0	±20%			140	170
MD7050-330M	33.0	±20%	2.0			200
MD7050-470M	47.0	±20%			290	330
MD7050-560M	56.0	±20%				
MD7050-680M	68.0	±20%		2.0	386	

Operating temperature: -40°C ~ 125°C

Temperature rise current: The actual value of DC current when the temperature rise is T40°C

Satura on Current that will cause initial inductance to drop 20% approximately.

Typical Electrical Characteristics:

