

**MD Series**  
**SMD Low Profile High Current Molded Inductor**  
**Size 5030**



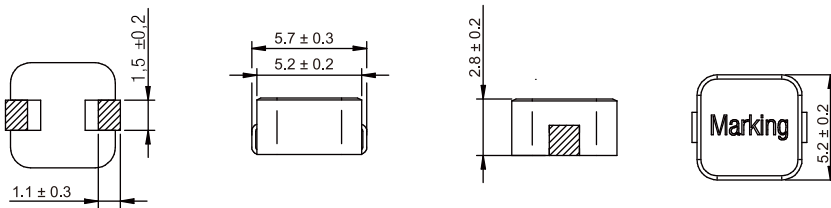
**CHARACTERISTICS**

- Molded type
- High saturation current due to CIP material
- Nature air gap and no acoustic noise
- Different sizes available
- Quantity: 2000pcs

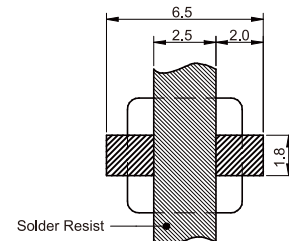
**APPLICATION**

- 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)
MD5030-220M	22.0	±20%	1.9	1.7	220	250

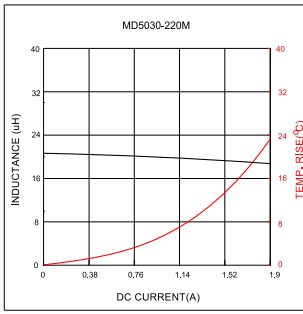
Operating temperature : -40 C ~ +125 C


Temperature rise current : The actual value of DC current when the temperature rise is ΔT40 C

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

				UNIT: MM	 KOHER (Shanghai) Electronic Co.,Ltd
				SHEET: 1/2	
				APPROVAL:TQ	
A0	5-DEC-22	PDF	WL	SIZE: A4	DESCRIPTION: SMD Low Profile High Current Molded Inductor
REV	DATE	FILE	BY	PACKING UNIT: 2000 pcs	PART NO: MD5030-220M

Typical Electrical Characteristics:



				UNIT: MM	 KOHER (Shanghai) Electronic Co.,Ltd
				SHEET: 2/2	
				APPROVAL:TQ	
A0	5-DEC-22	PDF	WL	SIZE: A4	DESCRIPTION: SMD Low Profile High Current Molded Inductor
REV	DATE	FILE	BY	PACKING UNIT: 2000 pcs	PART NO: MD5030-220M

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