

MD Series

SMD Low Profile High Current Molded Inductor

Size 5030



CHARACTERISTICS

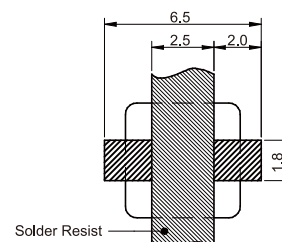
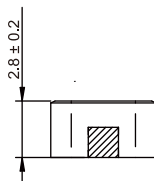
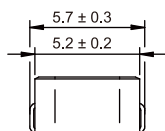
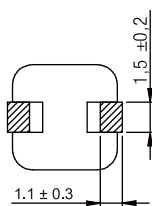
- Molded type
- High saturation current due to CIP material
- Nature air gap and no acoustic noise
- Different sizes available
- Quantity: 2000pcs

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

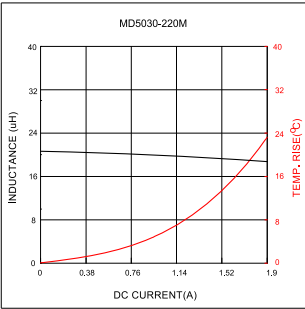
Operating temperature : -40 C ~ +125 C

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 elec 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	KOHERelec 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