

## MDS Series

### Molding Power Inductors

#### Size 0630



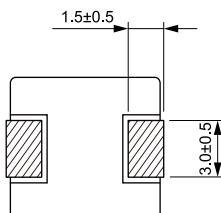
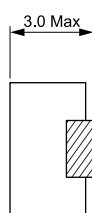
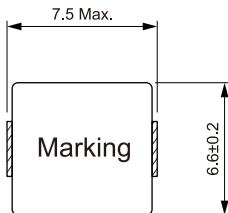
#### FEATURES

- ROHS, Halogen Free and REACH compliance
- High rated current, Low core loss
- Ultra low buzz noise due to molding construction
- Operating temperature range - 55 °C to + 125 °C
- Quantity: 1000 pcs

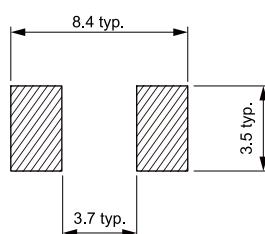
#### APPLICATION

- Laptops and PCs
- Switch and servers
- Base stations
- DC/DC converters
- Battery powered devices
- SSD modules

#### Dimensions: [mm]



#### Land Pattern: [mm]



#### Electrical Properties:

Part No	Inductance @ 100kHz/1V ( $\mu$ H)	Tolerance	DC Resistance Max. (m $\Omega$ )	Saturation Current Typ. (A)	Temperature Rise Current Typ. (A)
MDS0630-100M	10.0	±20%	76.0	4.5	4.0

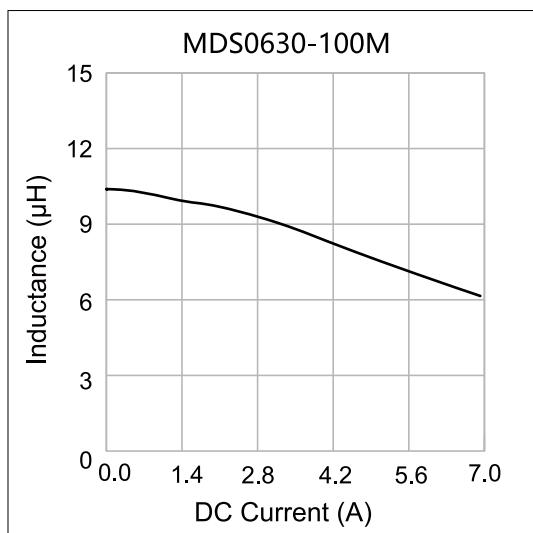
Saturation Current will cause L to drop approximately 30%

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

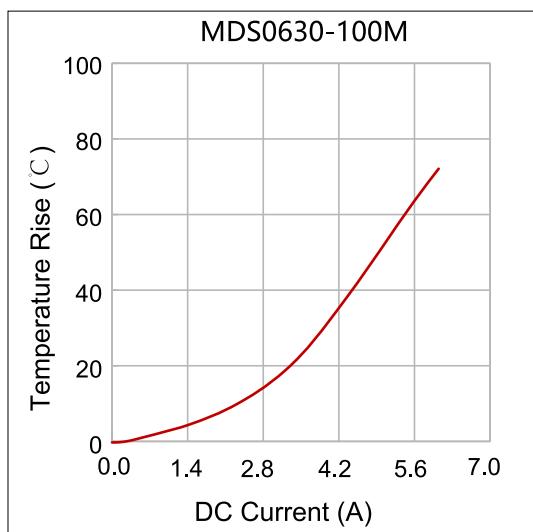
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				SHEET: 1/2	
				APPROVAL:MX	
A0	9-DEC-22	PDF	WL	SIZE: A4	DESCRIPTION: Molding Power Inductors
REV	DATE	FILE	BY	PACKING UNIT: 1000 pcs	PART NO: MDS0630-100M

## Typical Electrical Characteristics:

## Inductance vs DC Current Characteristics:



## Temperature Rise vs DC Current Characteristics:



				UNIT: MM	 KOHER (Shanghai) Electronic Co.,Ltd
				SHEET: 2/2	
				APPROVAL:MX	
A0	9-DEC-22	PDF	WL	SIZE: A4	DESCRIPTION: Molding Power Inductors
REV	DATE	FILE	BY	PACKING UNIT: 1000 pcs	PART NO: MDS0630-100M