

MDCA Series

SMD Power Inductor

Size 7030



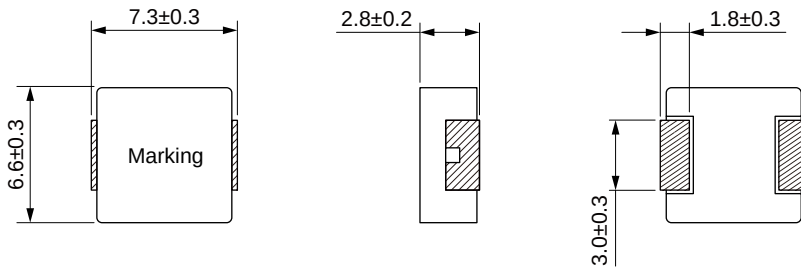
FEATURES

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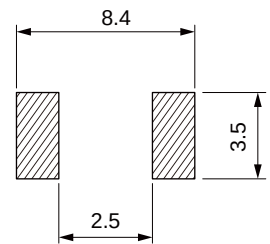
APPLICATION

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- HVAC
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- Audio subsystem
- Digital instrument cluster
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Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @ 100KHz/1V (μ H)	Tolerance	Temperature Rise Current Typ. (A)	Saturation Current Typ. (A)	DC Resistance Typ. (m Ω)	DC Resistance Max. (m Ω)
MDCA7030-R10N		$\pm 30\%$				
MDCA7030-R22N		$\pm 30\%$				
MDCA7030-R33M		$\pm 20\%$				
MDCA7030-R47M		$\pm 20\%$				
		$\pm 20\%$				
MDCA7030-R68M		$\pm 20\%$				
MDCA7030-R82M		$\pm 20\%$				
MDCA7030-1R0M		$\pm 20\%$				
		$\pm 20\%$				
MDCA7030-2R2M		$\pm 20\%$				
MDCA7030-3R3M		$\pm 20\%$				
MDCA7030-4R7M		$\pm 20\%$				
		$\pm 20\%$				
MDCA7030-6R8M		$\pm 20\%$				
MDCA7030-8R2M		$\pm 20\%$				

Part No	Inductance @ 100KHz/1V (μ H)	Tolerance	Temperature Rise Current Typ. (A)	Saturation Current Typ. (A)	DC Resistance Typ. (m Ω)	DC Resistance Max. (m Ω)
MDCA7030-100M		$\pm 20\%$				
		$\pm 20\%$			107	123
MDCA7030-220M		$\pm 20\%$				190

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:

