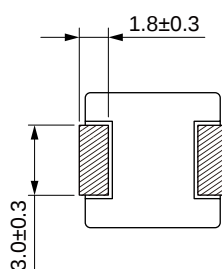
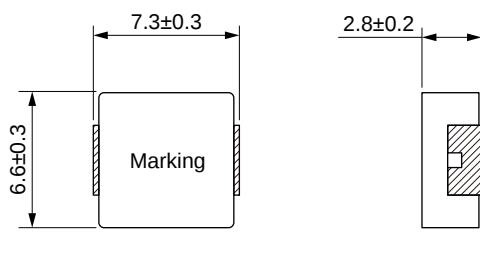


SMD Power Inductor Size 7030

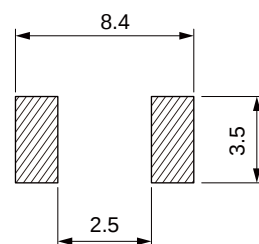


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-
-
-
- HVAC
-
- Audio subsystem
- Digital instrument cluster
-

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation Current Typ. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
MDCA7030-R10N		±30%				
MDCA7030-R22N		±30%				
MDCA7030-R33M		±20%				
MDCA7030-R47M		±20%				
		±20%				
MDCA7030-R68M		±20%				
MDCA7030-R82M		±20%				
MDCA7030-1R0M		±20%				
		±20%				
MDCA7030-2R2M		±20%				
MDCA7030-3R3M		±20%				
MDCA7030-4R7M		±20%				
		±20%				
MDCA7030-6R8M		±20%				
MDCA7030-8R2M		±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:

