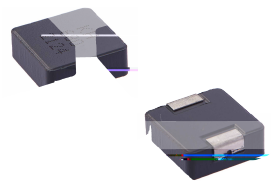
MDCA Series

SMD Power Inductor

Size 1350



FEATURES

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APPLICATION

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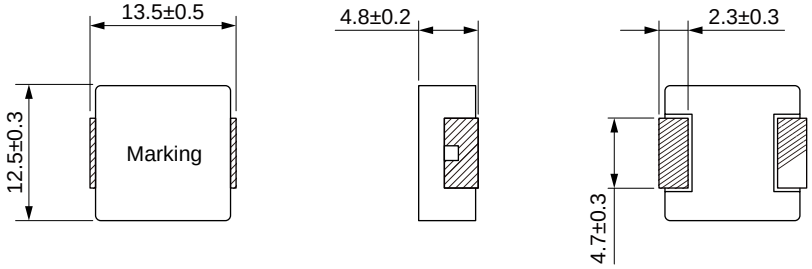
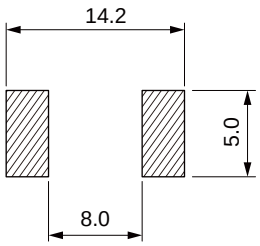
- HVAC
-
- Audio subsystem
- Digital instrument cluster
-

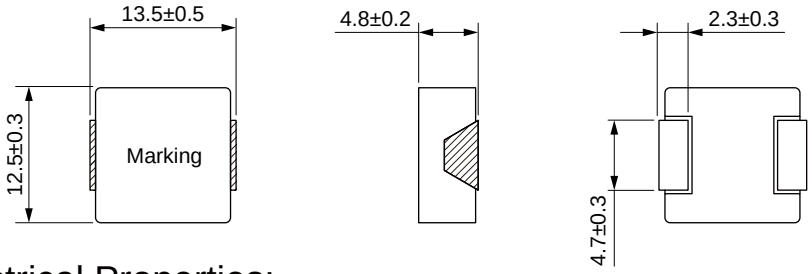
Dimensions: [mm] L＞1.5μH



Land Pattern: [mm]



Dimensions: [mm] L≤1.5μH



Electrical Properties:

Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Satura on Current Typ. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
		±20%		110		
		±20%		110		
		±20%				
		±20%				
		±20%				

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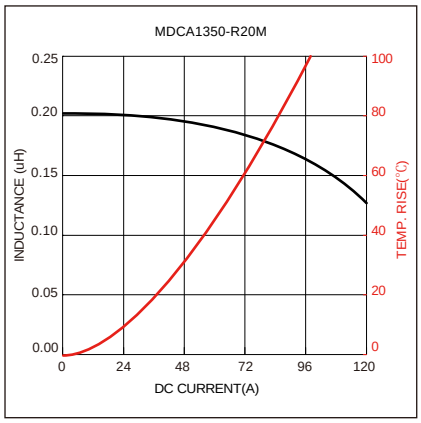
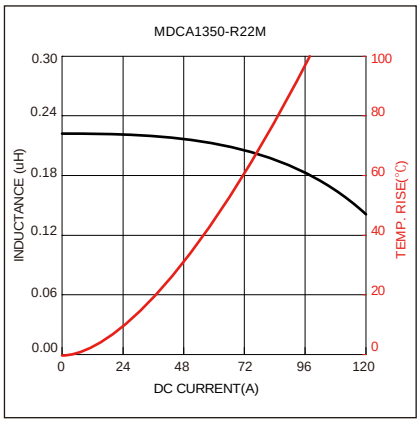
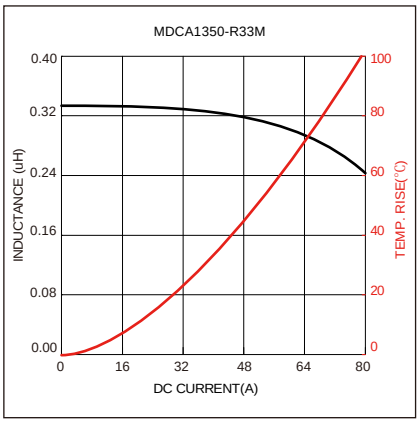
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%			100	120

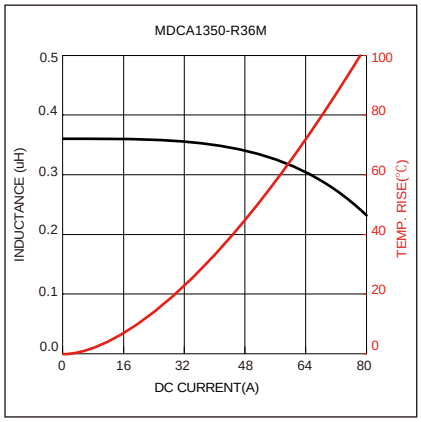
Saturation Current will cause L to drop approximately 30%
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

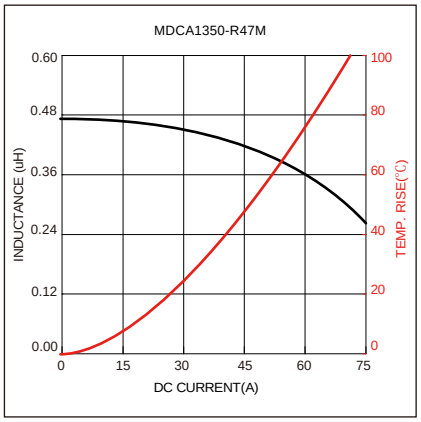
Typical Electrical Characteristics:

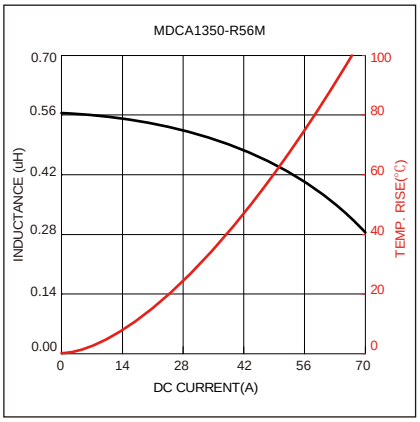


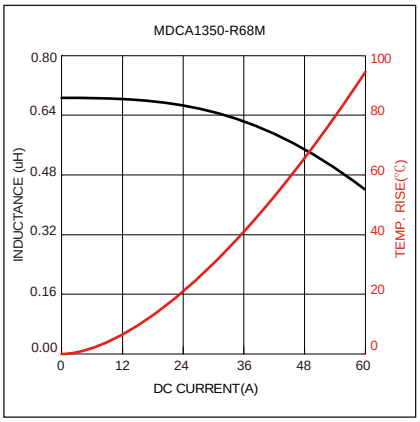


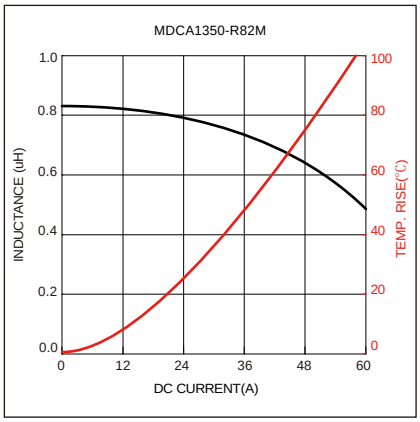


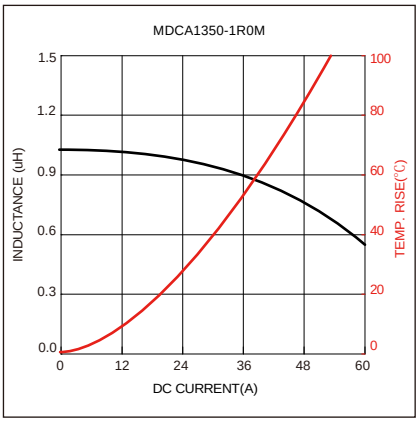


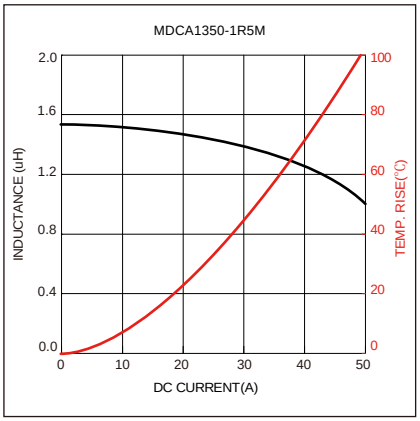


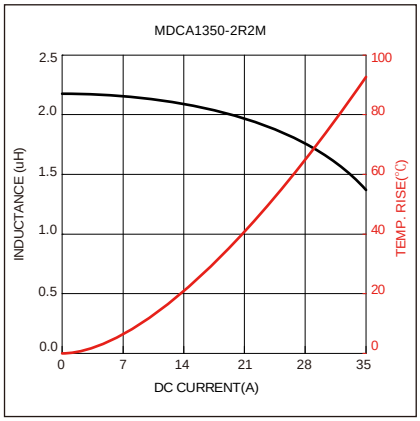


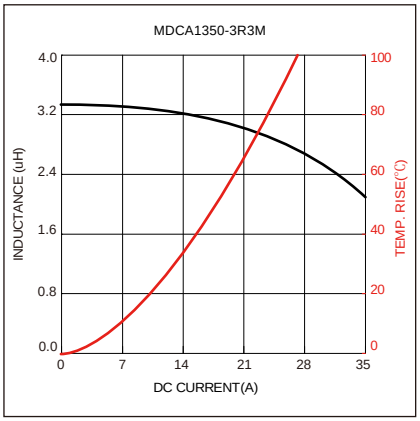

MDCA1350-R68M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)

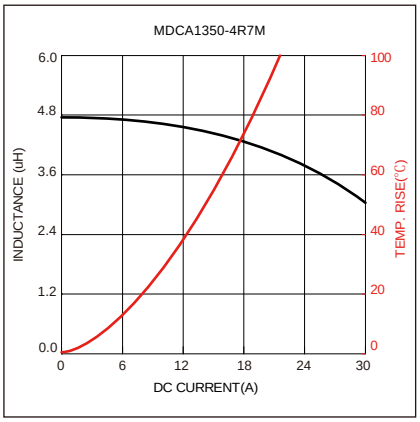

MDCA1350-R82M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)

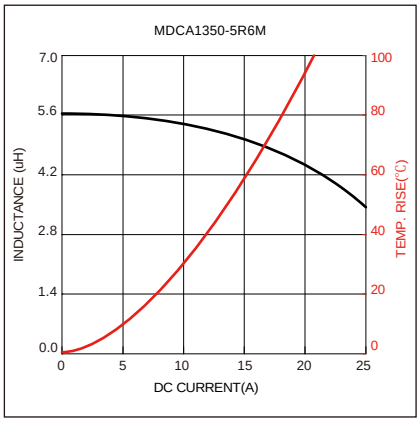

MDCA1350-1R0M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)

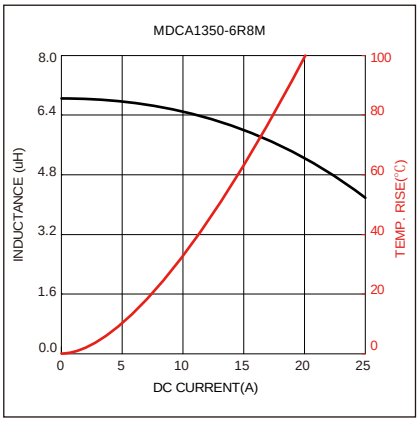

MDCA1350-1R5M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)

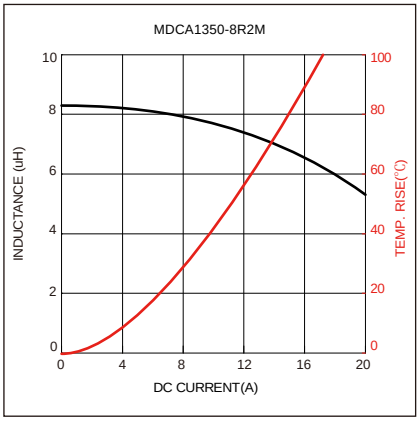

MDCA1350-2R2M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)

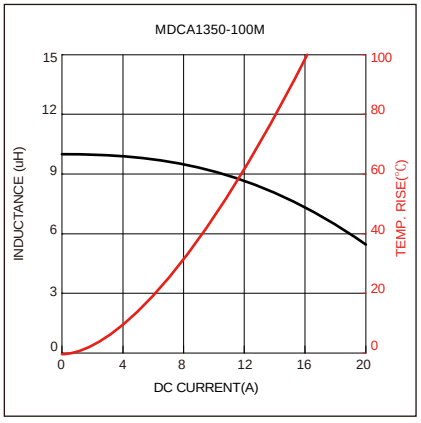

MDCA1350-3R3M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)

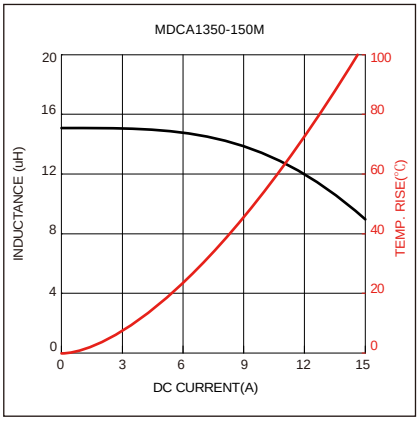

MDCA1350-4R7M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)


MDCA1350-5R6M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)


MDCA1350-6R8M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)


MDCA1350-8R2M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)


MDCA1350-100M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)


MDCA1350-150M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)