MDSA Series

SMD Low Profile High Current Molded Inductor

Size 7050

FEATURES

- Shielded construc on
-
-
-
- Ultra low buzz noise, due to composite construc on.
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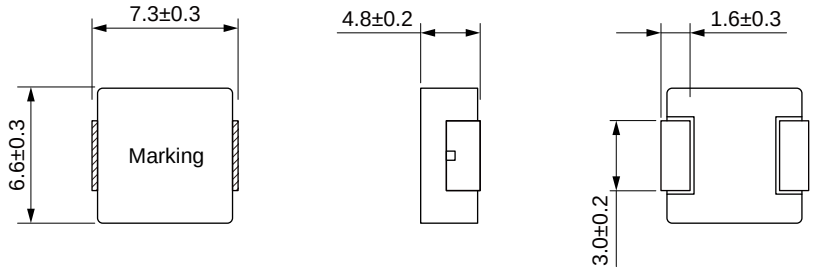
- AEC-Q200 qualified
- Opera ng temperature: -55 to +155 °C (including self-temperature rise)
- Quan ty: 800PCS

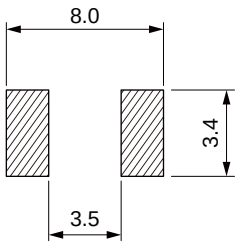
APPLICATION

- Noise filter for various drive circuitry requiring high temp. opera on and peak current handing capability.
- Boost-Converter
- Buck-Converter DC/DC

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

	(μH)		(A)	(A)	Satura on (A)	Satura on (A)	(mΩ)	(mΩ)
MDSA7050-1R0M			17.0			12.5	5.70	6.30
MDSA7050-1R5M	1.50		15.0	12.5	13.0		6.70	7.40
MDSA7050-2R2M						8.20		11.7
MDSA7050-3R3M	3.30		13.0		9.50	7.70		
MDSA7050-4R7M	4.70			9.20	8.80	7.20		24.3
MDSA7050-5R6M	5.60			8.20	8.00	6.90	28.3	33.4
MDSA7050-6R8M	6.80		9.00	7.70	7.60	6.70	30.3	36.4
MDSA7050-8R2M	8.20		7.50	6.30	6.50	5.80	38.9	45.5

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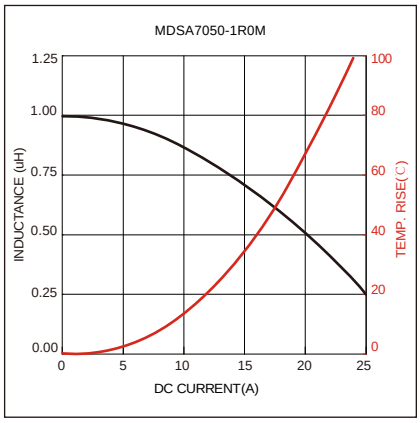
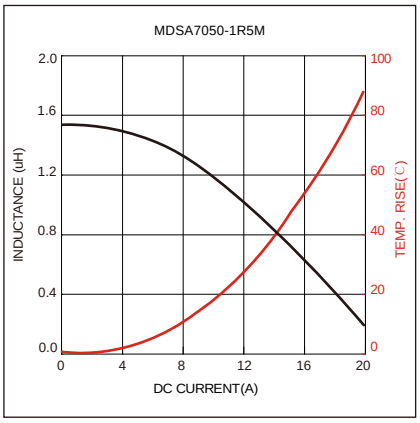
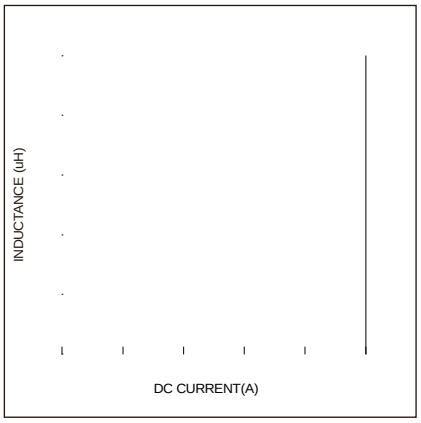
021-34753361 Contact@kohergroup.com

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:







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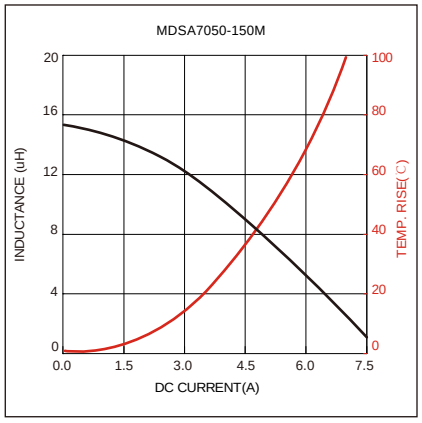

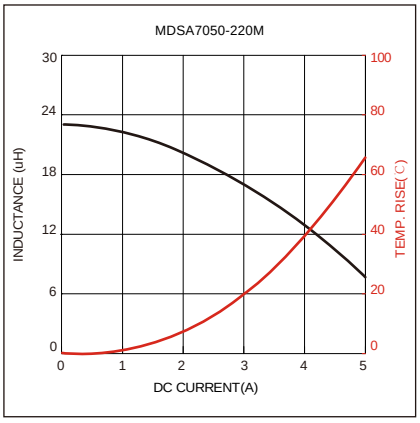

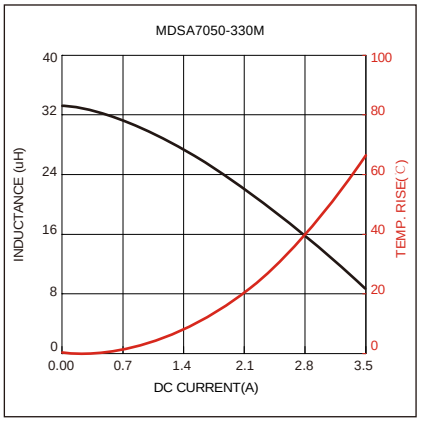

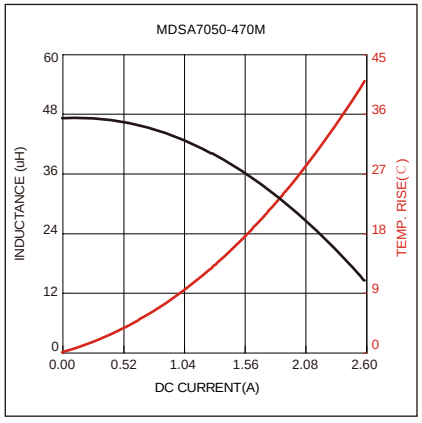

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Soldering Reflow:

Preheat condition: 150 ~200℃/ 60~120 sec.

Allowed time above 217℃: 60~90 sec.

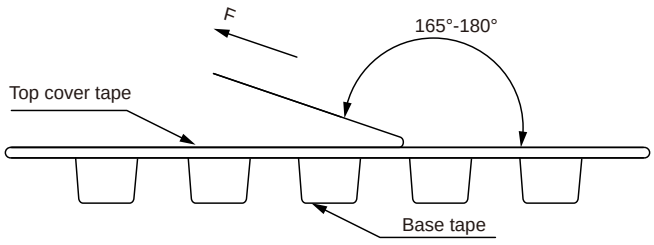
Max temperature: 260℃.

Allowed Reflow time: 2x max.

Packaging Information:

Tape Dimension:

Peel force of top cover tape:



The peel force of top cover tape shall be between 0.1 to 1.3 N

Product Marking:

Marking

Reel Dimension：[mm]

Packaging Quantity: