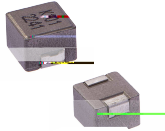


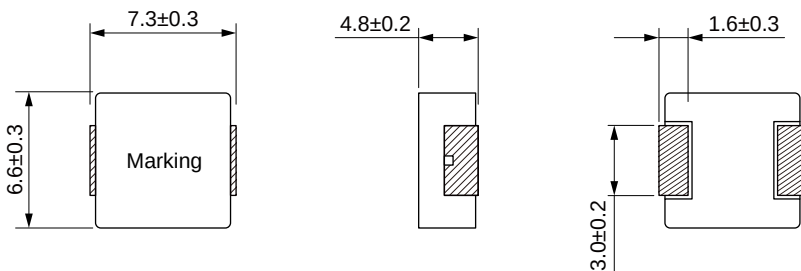
eries

SMD Low Profile High Current Molded Inductor Size 7050

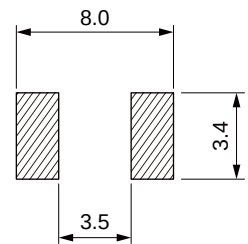


- Capable of corresponding high frequency .
- Low loss realized with low DCR.
- High performance (Isat) realized by metal dust core.
- 100%Lead(Pb)-Free and RoHScompliant.
- HVAC
- Audio subsystem
- Digital instrument cluster

Dimensions: [mm]



Land Pattern: [mm]

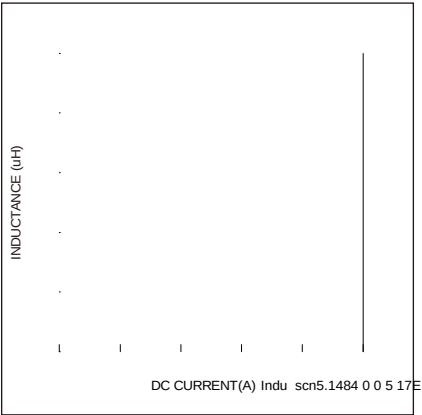


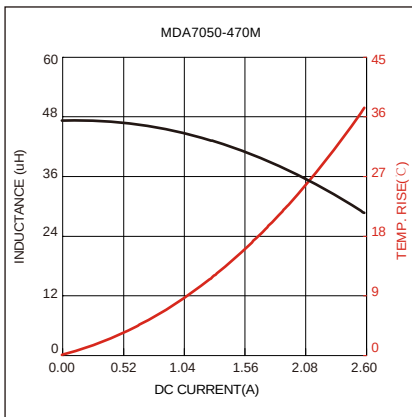
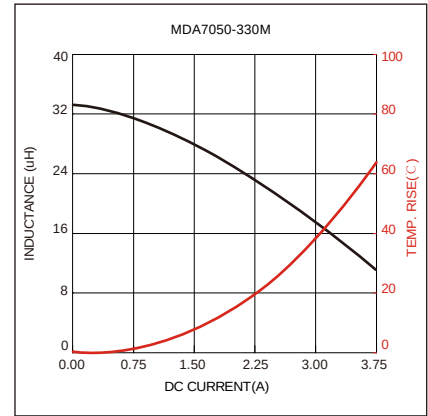
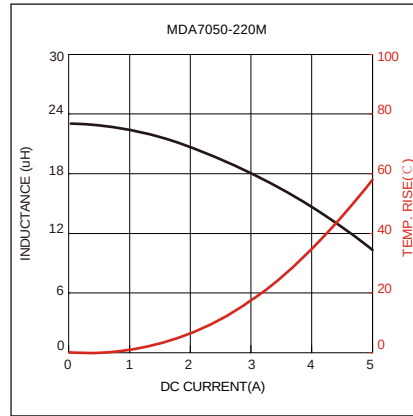
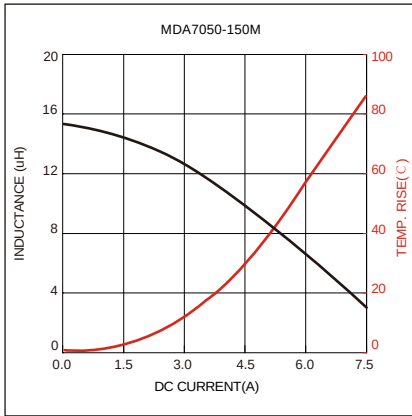
Electrical Properties:

Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Saturation Current Typ. (A)	Saturation Current Max. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
MDA7050-1R0M	1.00	±20%	17.0	15.0	16.0	13.0	5.60	6.20
MDA7050-1R5M	1.50	±20%	15.0	13.0	13.0	10.5	6.60	7.30
MDA7050-2R2M	2.20	±20%	14.0	12.0	10.0	8.5	10.0	11.5
MDA7050-3R3M	3.30	±20%	13.0	11.0	9.5	8.0	14.0	16.2
MDA7050-4R7M	4.70	±20%	11.0	9.5	8.8	7.5	20.8	24.0
MDA7050-5R6M	5.60	±20%	10.0	8.5	8.0	7.2	28.0	33.0
MDA7050-6R8M	6.80	±20%	9.0	8.0	7.6	7.0	30.0	36.0
MDA7050-8R2M	8.20	±20%	7.5	6.5	6.5	6.0	38.5	45.0
MDA7050-100M	10.0	±20%	7.0	6.0	6.0	5.7	44.0	53.0
MDA7050-150M	15.0	±20%	5.0	4.0	4.0	3.2	73.0	85.0

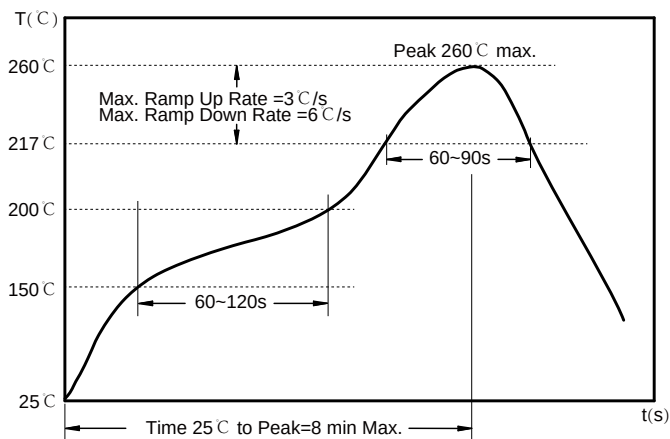
Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation Current Typ. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
MDA7050-220M						
MDA7050-330M						
MDA7050-470M						

Typical Electrical Characteristics:





Soldering Reflow:



Preheat condition: 150 ~200°C / 60~120 sec.

Allowed time above 217°C : 60~90 sec.

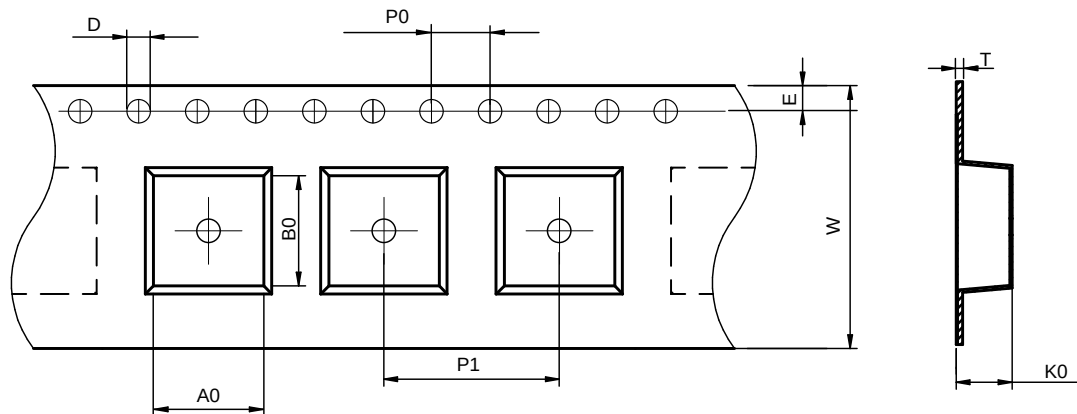
Max temperature: 260°C.

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

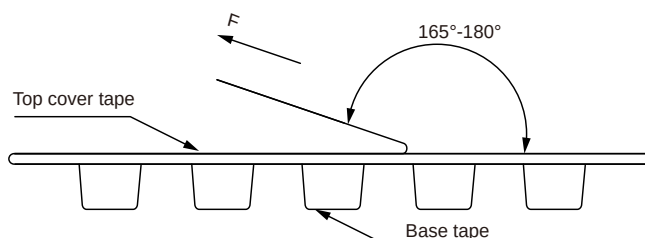
Packaging Information:

Tape Dimension:



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDA7050	6.9±0.1	7.5±0.1	1.5±0.1	4.0±0.1	12.0±0.1	16.0±0.3	5.4±0.1	1.75±0.1	0.40±0.05

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	K+Printing (Inductance+period)
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