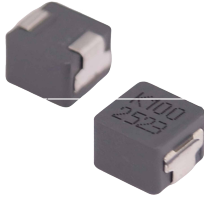
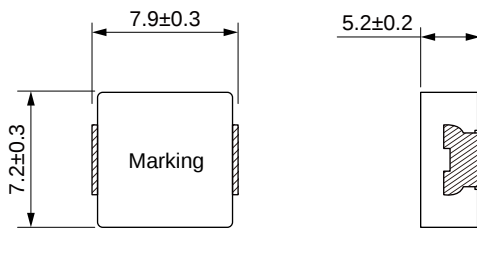


MDA T Series

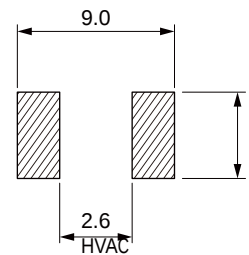
Size 7054



Dimensions: [mm]



Land Pattern: [mm]



Doors, window lift and seat control
Audio subsystem
Digital instrument cluster
In-Vehicle Infotainment and navigation

Electrical Properties:

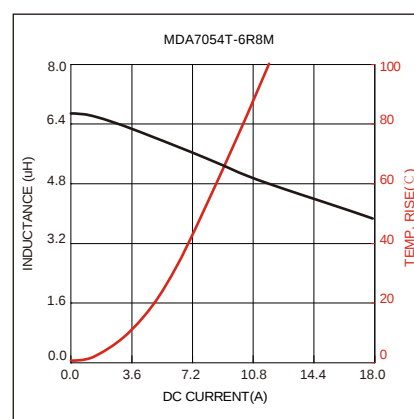
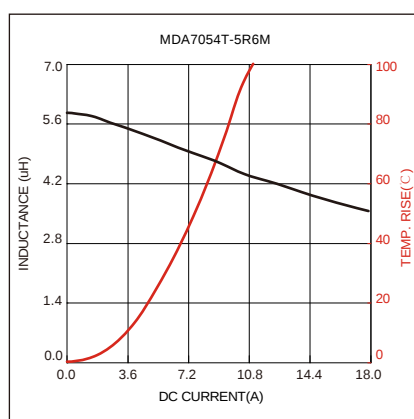
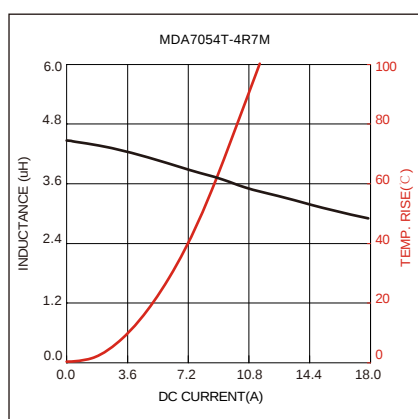
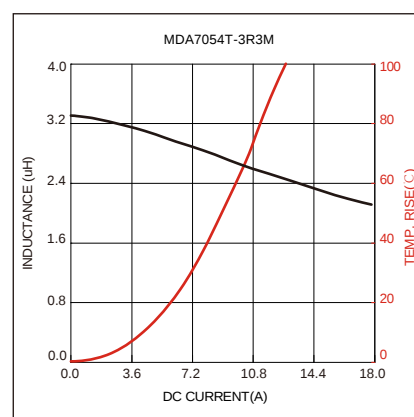
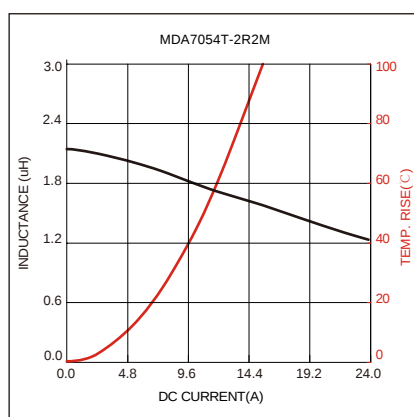
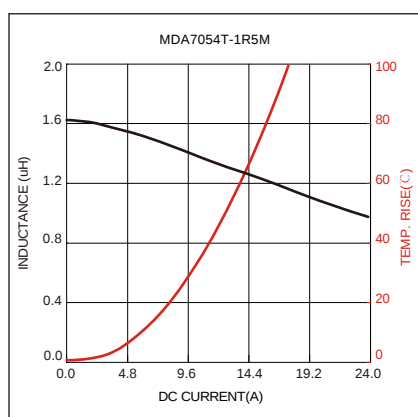
Part No	Inductance @ 100KHz/1V	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Current Typ. (A)	Current Max. (A)	DC Resistance Max.	Rated Voltage Max. (V)
MDA7054T-1R5M	1.5	±20%	11.5	10.3	16.4	14.0	7.3	80
MDA7054T-2R2M	2.2	±20%	9.8	8.7	15.0	12.7	11.4	80
MDA7054T-3R3M	3.3	±20%	8.0	7.2	13.5	11.6	15.4	80
MDA7054T-4R7M	4.7	±20%	7.0	6.3	13.2	11.2	20.9	80
MDA7054T-5R6M	5.6	±20%	6.5	5.6	10.6	9.2	24.0	80
MDA7054T-6R8M	6.8	±20%	6.2	5.5	10.2	8.7	26.6	80
MDA7054T-8R2M	8.2	±20%	5.8	5.0	9.2	7.7	31.9	80
MDA7054T-100M	10.0	±20%	5.2	4.7	8.1	6.9	38.0	80
MDA7054T-150M	15.0	±20%	3.8	3.4	7.0	5.9	66.0	80
MDA7054T-220M	22.0	±20%	3.3	3.0	6.3	5.4	93.5	80

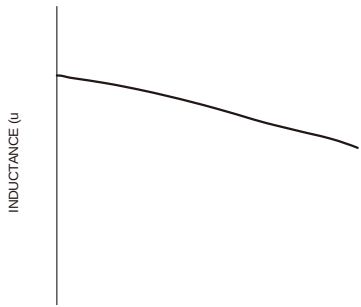
Part No	Inductance @ 100KHz/1V	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Current Typ. (A)	Current Max. (A)	DC Resistance Max.	Rated Voltage Max. (V)
MDA7054T-330M	33.0	±20%	3.2	2.8	4.9	4.2	127.6	80
MDA7054T-470M	47.0	±20%	2.5	2.2	4.2	3.5	171.6	80
MDA7054T-560M	56.0	±20%	2.2	2.0	3.3	2.8	209.3	80
MDA7054T-680M	68.0	±20%	2.0	1.8	2.8	2.4	255.0	80
MDA7054T-101M	100	±20%	1.8	1.6	2.4	2.0	348.0	55

Saturation Current will cause L to drop approximately 30%

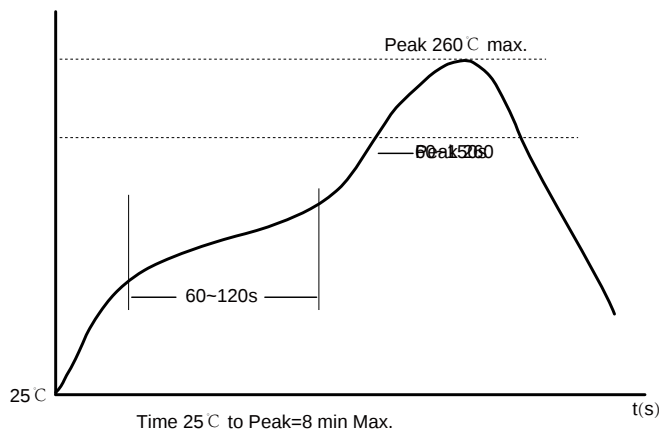
Temperature Rise Current: The actual value of DC current when the temperature rise is $\Delta T=40^{\circ}\text{C}$

Typical Electrical Characteristics:





Soldering Reflow:



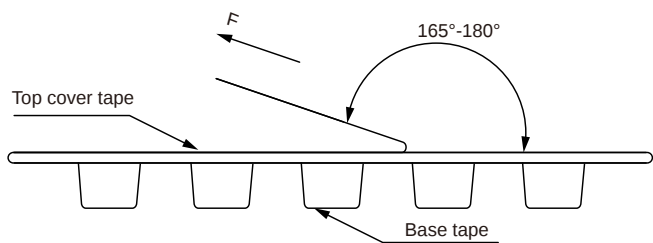
Preheat condition: 150 ~200 °C / 60~120 sec.
Allowed time above 217 °C : 60~150 sec.
Max temperature: 260 °C .

Allowed Reflow time: 2x max.

Packaging Information:

Tape Dimension :

Peel force of top cover tape:

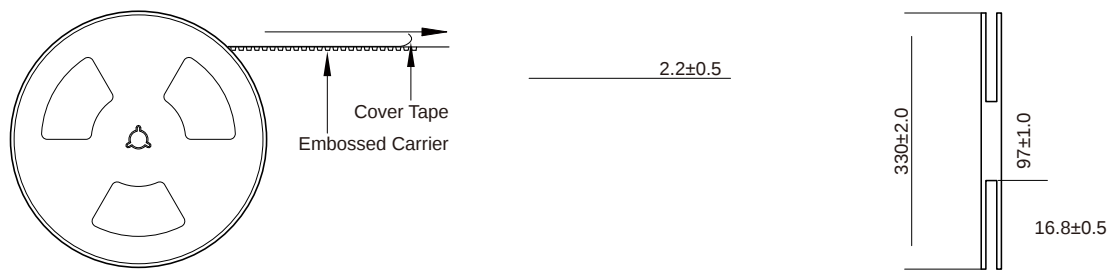


The peel force of top cover tape shall be between 0.1 to 1.3 N

Product Marking:

Marking	K+Printing (Inductance+period)
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Reel Dimension: [mm]



Packaging Quantity: