



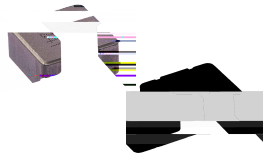
MDA Series

SMD Low Profile High Current Molded Inductor

Size 1350

FEATURES

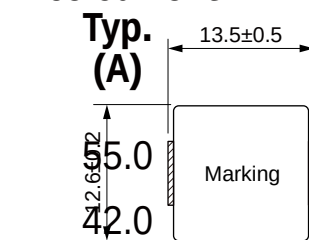
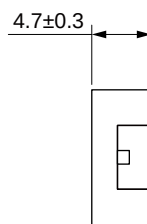
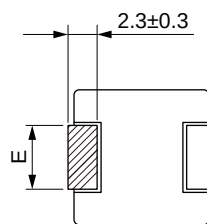
- Capable of corresponding high frequency .
- Low loss realized with low DCR.
- High performance (Isat) realized by metal dust core.
- 100% Lead(Pb)-Free and RoHS compliant.



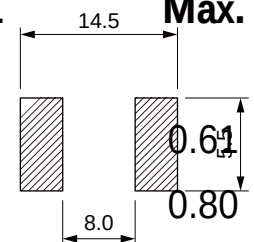
APPLICATION

- HVAC
- Audio subsystem
- Digital instrument cluster

Dimensions [mm]



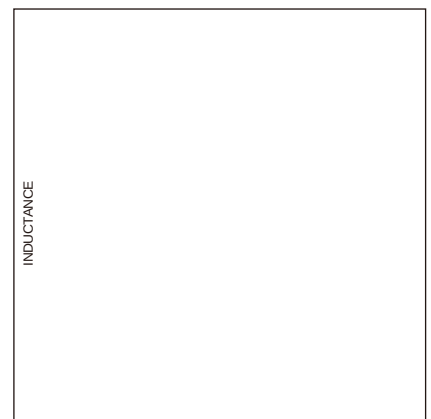
Land Pattern: [mm] DC Resistance

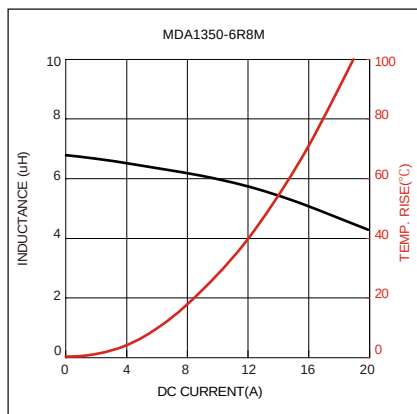
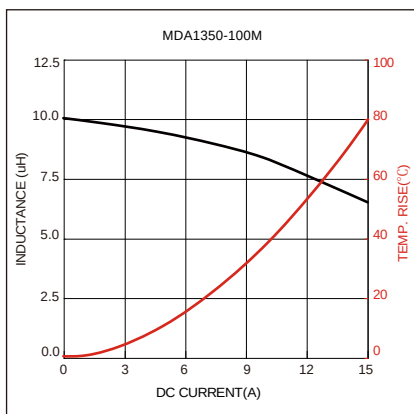
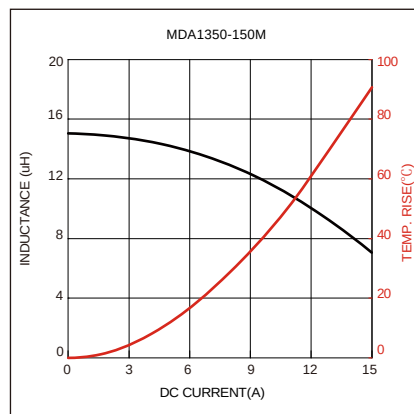
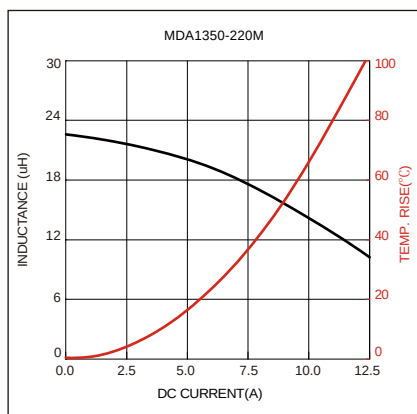
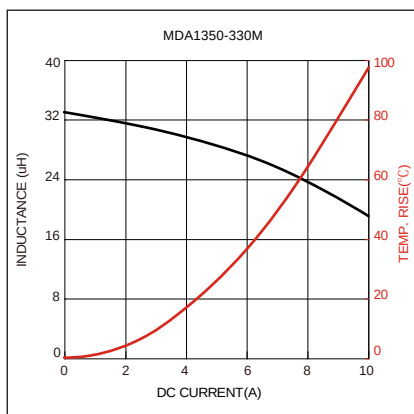
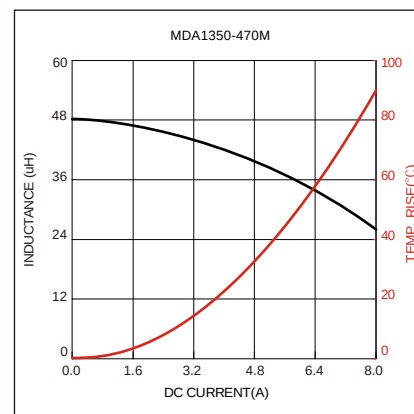
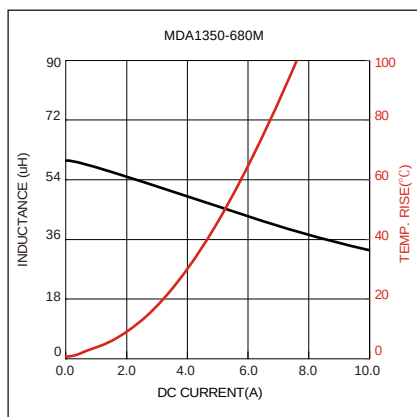


Electrical Properties:

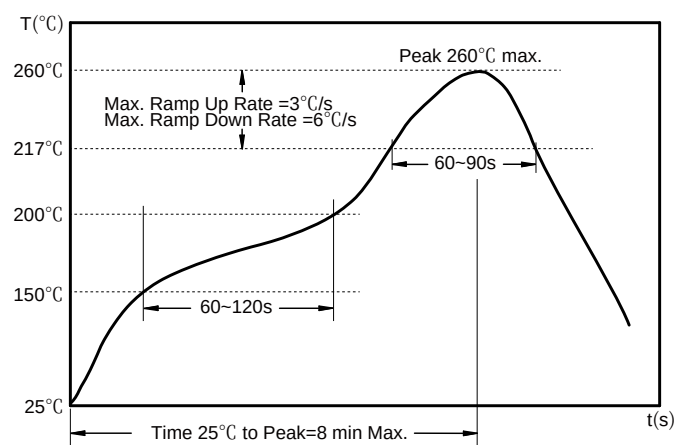
Part No	Inductance @ 100KHz/1V			Temperature Rise Current Max. (A)		Current Max. (A)			
MDA1350-R22M	0.22			50.0		60.0			
MDA1350-R33M	0.33			37.0		59.0			
MDA1350-R47M	0.47			34.0		58.0			
MDA1350-R68M	0.68			31.0		42.0			
MDA1350-1R0M	1.00			27.0		34.0			
MDA1350-1R5M	1.50	±20%	25.0	22.0	31.0	28.0	3.20	3.80	4.7±0.3
MDA1350-2R2M	2.20	±20%	17.0	15.5	26.0	23.0	4.10	4.80	4.7±0.3
MDA1350-3R3M	3.30	±20%	15.5	14.0	23.0	20.5	6.00	7.00	4.7±0.3
MDA1350-4R7M	4.70	±20%	14.0	12.5	18.5	16.0	8.80	10.2	4.7±0.3
MDA1350-6R8M	6.80	±20%	12.0	11.0	16.5	15.0	13.0	16.0	4.7±0.3
MDA1350-100M	10.0	±20%	10.0	9.0	13.0	10.5	19.2	22.0	4.7±0.3
MDA1350-150M	15.0	±20%	9.40	8.2	11.0	9.2	30.0	36.0	4.7±0.3

Typical Electrical Characteristics:





Soldering Reflow:



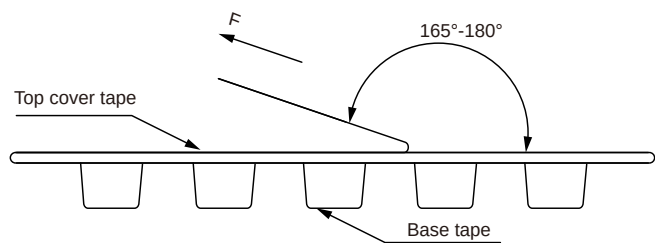
Preheat condition: $150\sim 200^{\circ}\text{C}/60\sim 120\text{ sec.}$
Allowed time above 217°C : $60\sim 90\text{ sec.}$
Max temperature: 260°C .
Max time at max temperature: 10 sec.
Allowed Reflow time: 2x max.

Packaging Information:

Tape Dimension :

Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDA1350	13.1 ± 0.1	14.0 ± 0.1	1.5 ± 0.1	4.0 ± 0.1	16.0 ± 0.1	24.0 ± 0.3	5.4 ± 0.1	1.75 ± 0.1	0.50 ± 0.05

Peel force of top cover tape:

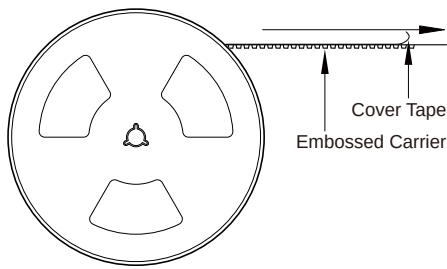


The peel force of top cover tape shall be between 0.1 to 1.3 N

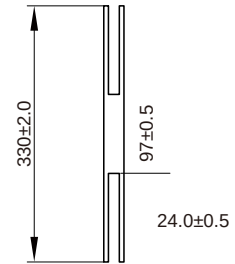
Product Marking:

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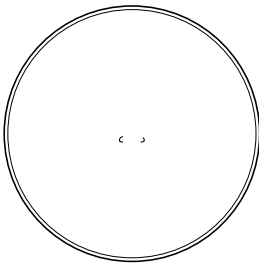
Reel Dimension : [mm]



2.2 ± 0.5



Packaging Quantity:



500 Pcs/Reel

2 Reel /Inner box(1000 Pcs)

2 Inner box/Carton box(2K Pcs)

Cautions and Warnings:

Storage Conditions :

Operation Instructions: