

MDA Series

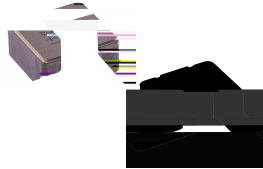
SMD Low Profile High Current Molded Inductor

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.

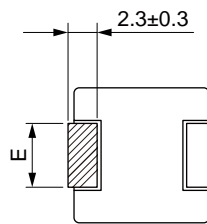
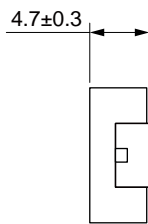
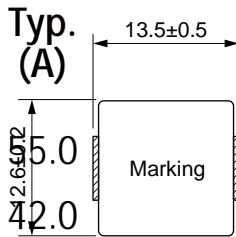


APPLICATION

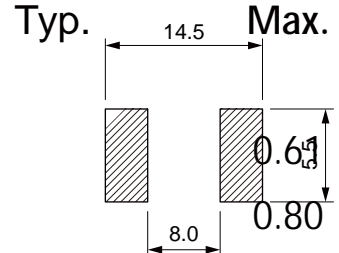
HVAC

Audio subsystem
 Digital instrument cluster

Dimensions [mm]
 Temperature Rise Current



Land Pattern: [mm] DC Resistance



38.0

0.90

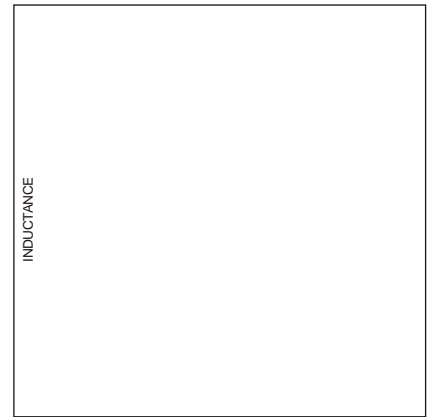
Electrical Properties:

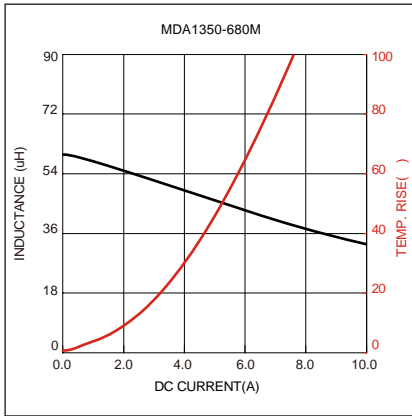
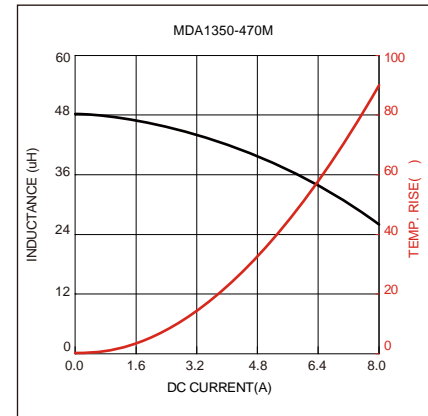
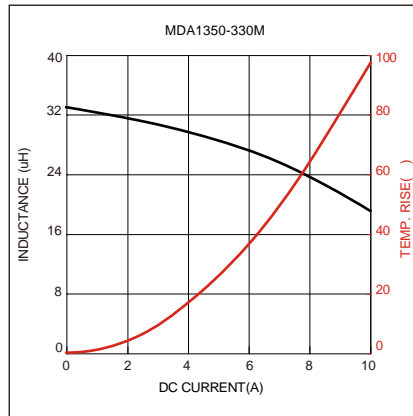
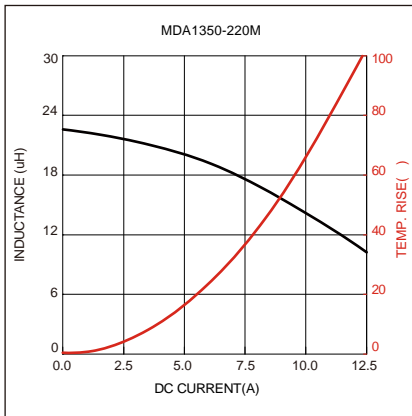
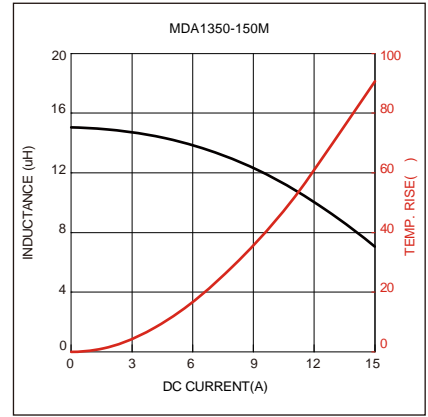
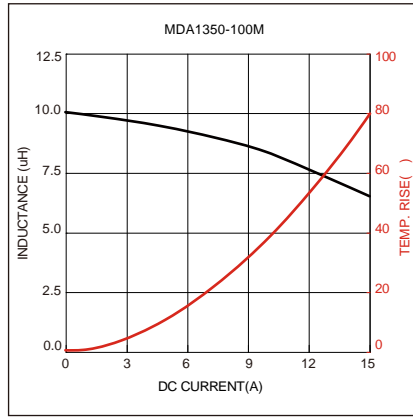
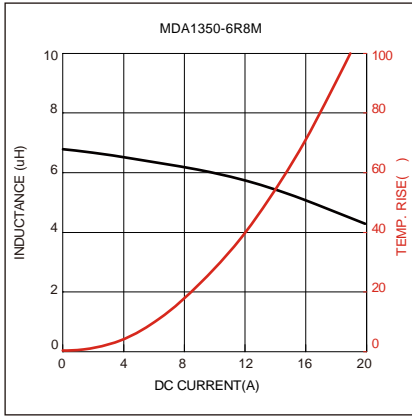
34.0

1.55

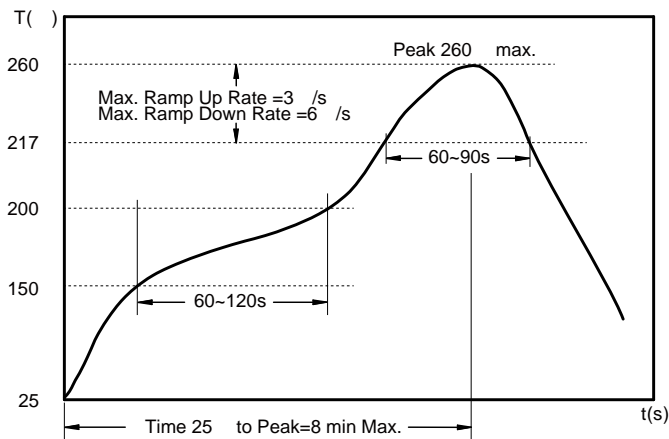
30.0 Part No	Inductance @ 100KHz/1V			Temperature Rise Current Max. (A)		Current Max. (A)		1.90	4.0±
MDA1350-R22M	0.22			50.0		60.0			
MDA1350-R33M	0.33			37.0		59.0			
MDA1350-R47M	0.47			34.0		58.0			
MDA1350-R68M	0.68			31.0		42.0			
MDA1350-1R0M	1.00			27.0		34.0			
MDA1350-1R5M	1.50	±20%	25.0	22.0	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 ~200 / 60~120 sec.

Allowed time above 217 : 60~90 sec.

Max temperature: 260 .

Max time at max temperature: 10 sec.

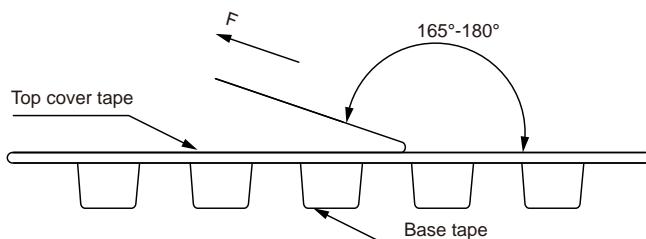
Allowed Reflow time: 2x max.

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:

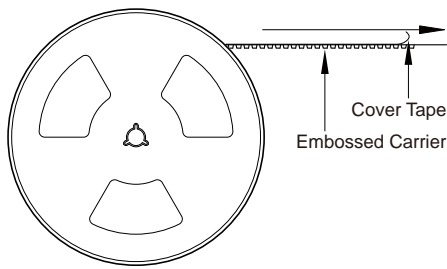


The peel force of top cover tape shall be between 0.1 to 1.3 N

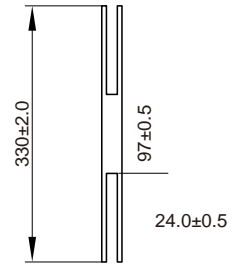
Product Marking:

Marking	KH+Printing (Inductance+period)
---------	---------------------------------

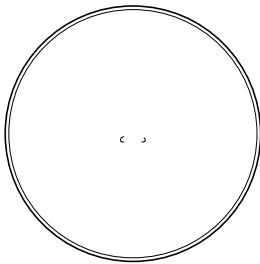
Reel Dimension : [mm]



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: