

MDA Series

SMD Low Profile High Current Molded Inductor

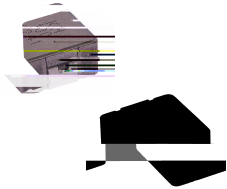
Size 1360

FEATURES

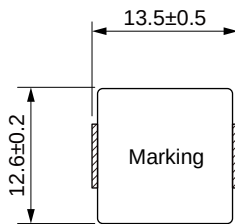
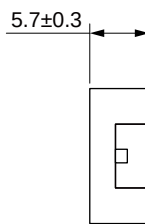
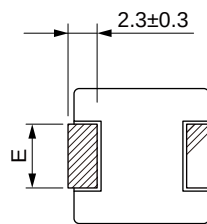
- Capable of corresponding high frequency .
- Low loss realized with low DCR.
- High performance (Isat) realized by metal dust core.
- 100% Lead(Pb)-Free and RoHS compliant.

APPLICATION

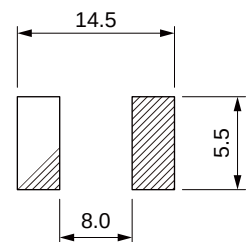
- HVAC
- Audio subsystem
- Digital instrument cluster



Dimensions: [mm]



Land Pattern: [mm]



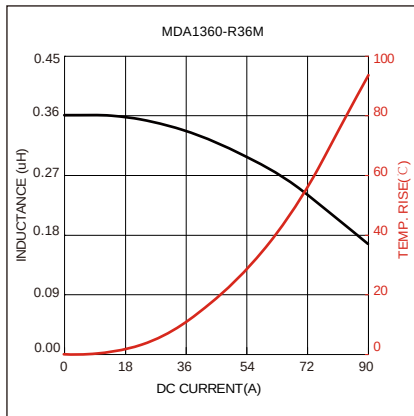
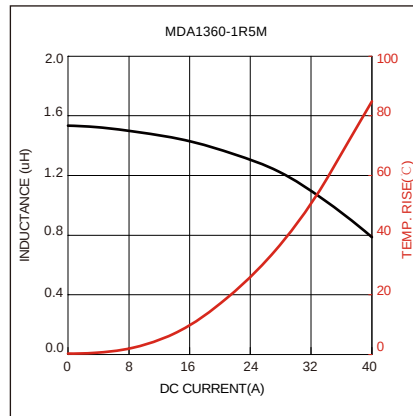
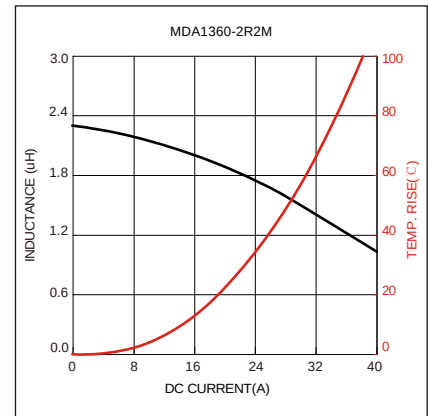
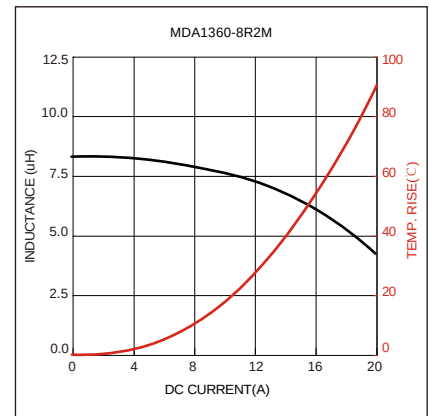
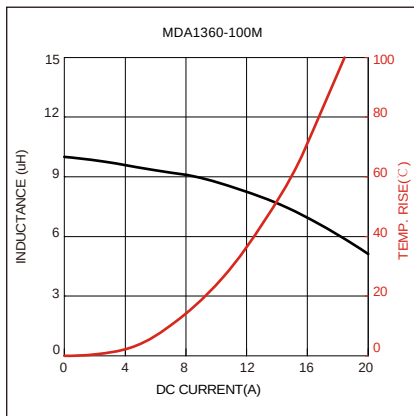
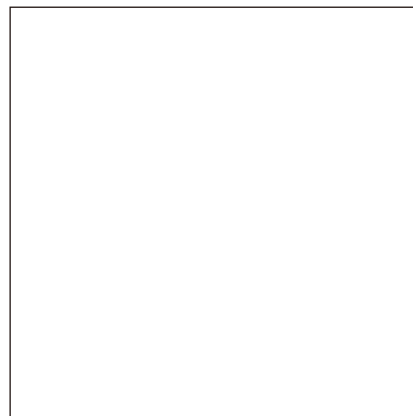
Electrical Properties:

Part No	Inductance @ 100KHz/1V (μ H)	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Satura on Current Typ. (A)	Satura on Current Max. (A)	DC Resistance Typ. (m Ω)	DC Resistance Max. (m Ω)	E
MDA1360-R36M	0.36	±20%	60.0	50.0	70.0	60.0	0.65	0.80	4.7±0.3
MDA1360-1R5M	1.50	±20%	28.0	24.0	32.0	27.0	2.40	3.00	4.0±0.3
MDA1360-2R2M	2.20	±20%	25.0	21.0	28.0	24.0	3.70	4.30	4.7±0.3
MDA1360-3R3M	3.30	±20%	21.0	18.0	28.0	24.0	5.30	6.50	4.7±0.3
MDA1360-4R7M	4.70	±20%	19.0	16.0	23.0	19.5	7.00	8.40	4.7±0.3
MDA1360-8R2M	8.20	±20%	13.5	12.0	17.0	15.5	13.5	16.0	4.7±0.3
MDA1360-100M	10.0	±20%	12.0	10.5	16.0	14.5	15.5	18.6	4.7±0.3
MDA1360-150M	15.0	±20%	10.0	8.5	10.0	9.0	24.0	29.0	4.7±0.3
MDA1360-220M	22.0	±20%	8.0	7.0	9.0	8.0	31.2	37.5	4.7±0.3
MDA1360-330M	33.0	±20%	6.5	5.5	7.8	6.7	56.0	68.0	4.7±0.3
MDA1360-470M	47.0	±20%	5.2	4.5	6.7	5.5	76.0	88.0	4.7±0.3

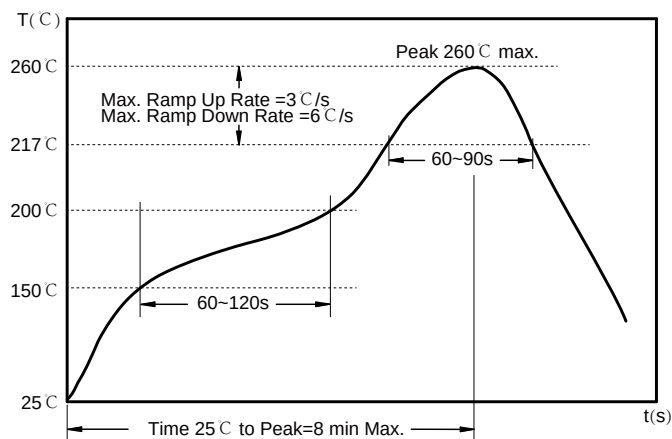
Saturation Current will cause L to drop approximately 30%

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

Typical Electrical Characteristics:



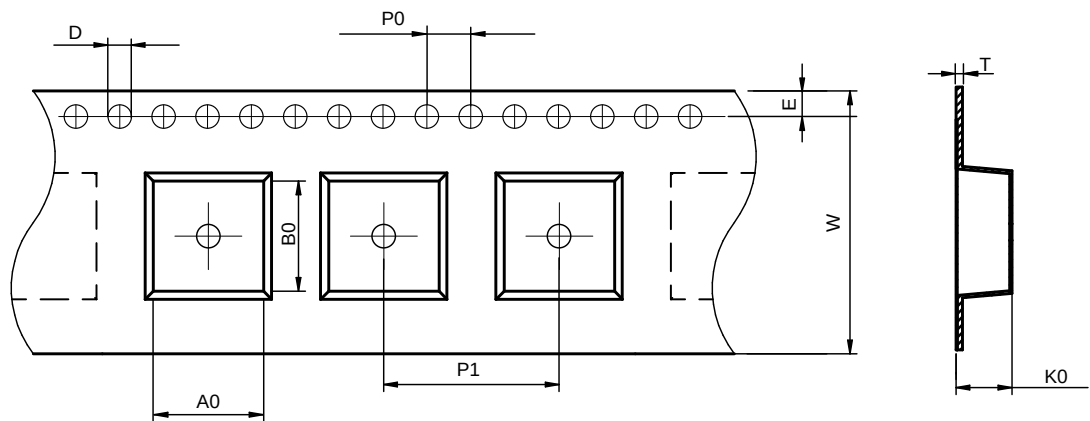
Soldering Reflow:



Preheat condition: 150 ~200℃ / 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.

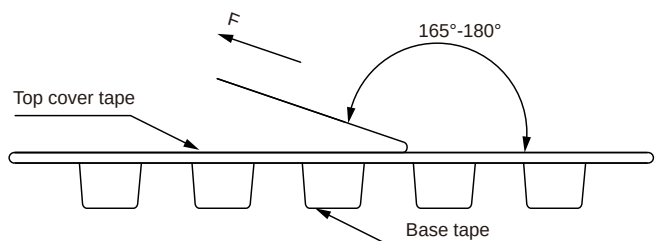
Packaging Information:

Tape Dimension:



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDA1360	13.1±0.1	14.0±0.1	1.5±0.1	4.0±0.1	16.0±0.1	24.0±0.3	6.3±0.1	1.75±0.1	0.50±0.05

Peel force of top cover tape:

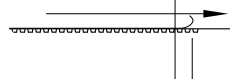


The peel force of top cover tape shall be between 0.1 to 1.3 N

Product Marking:

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



Packaging Quantity: