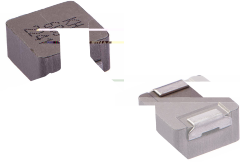


# MDA HT Series

## SMD Low Profile High Current Molded Inductor

### Size 1054



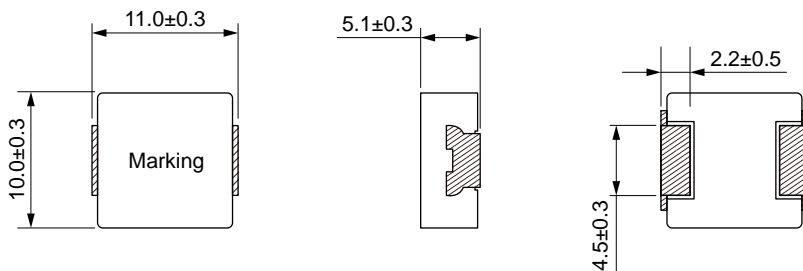
#### FEATURES

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

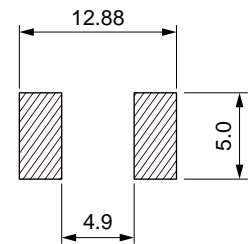
#### APPLICATION

- 
- HVAC
- 
- Audio subsystem
- Digital instrument cluster
- 

#### Dimensions: [mm]



#### Land Pattern: [mm]



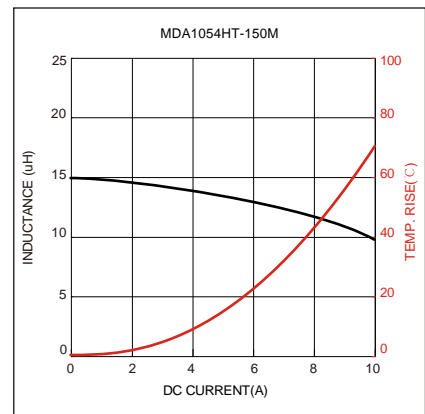
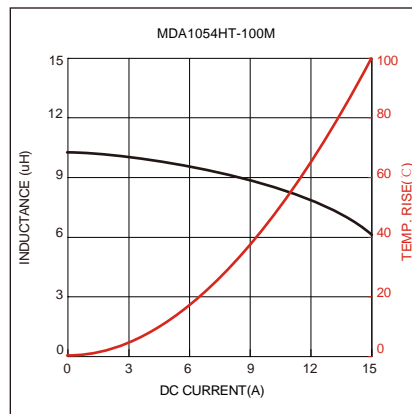
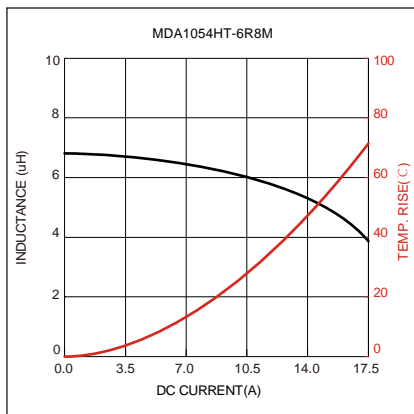
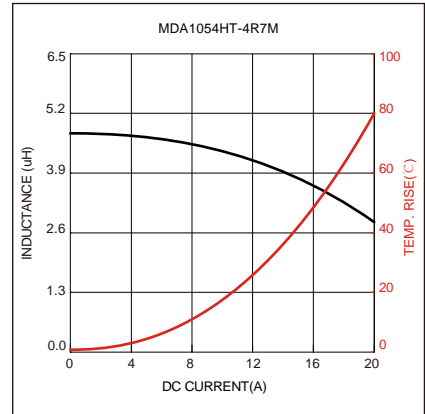
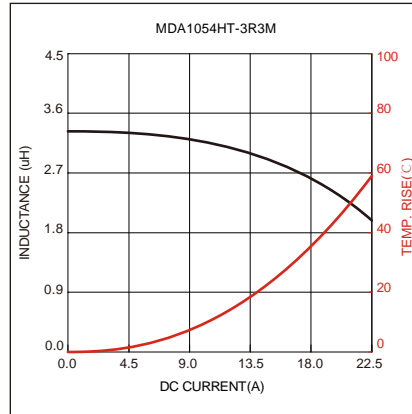
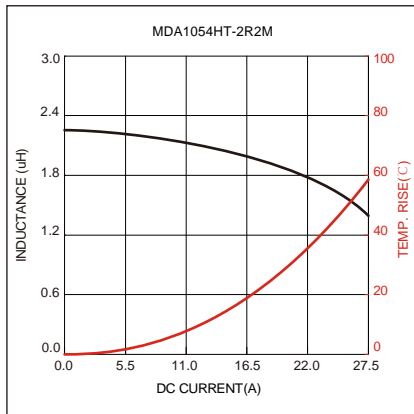
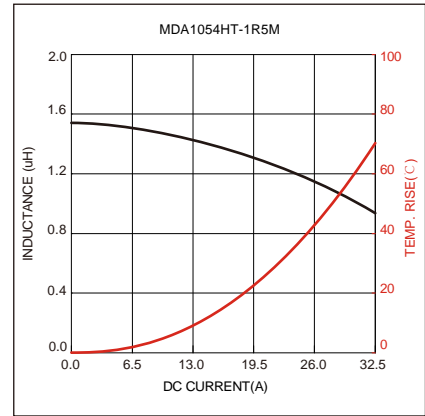
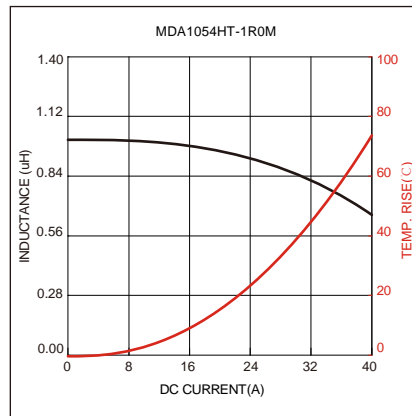
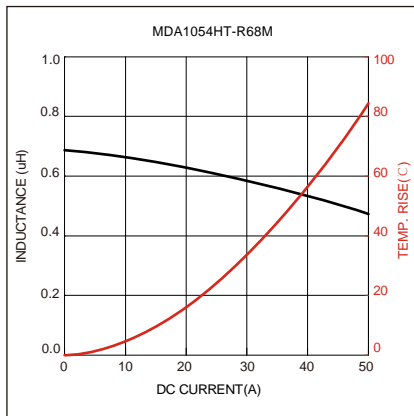
#### Electrical Properties:

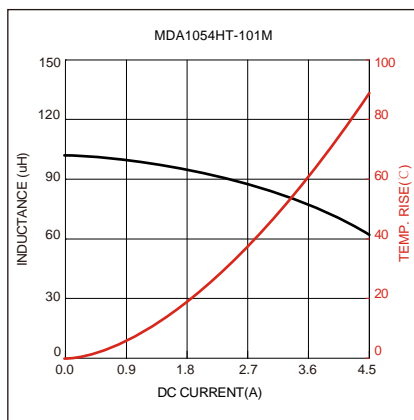
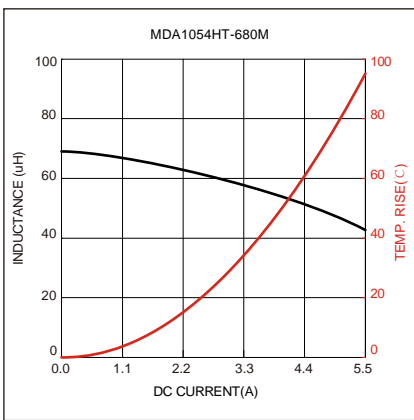
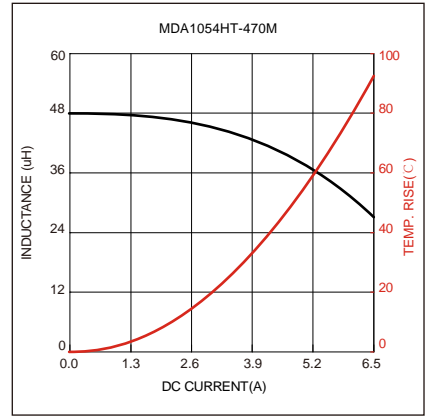
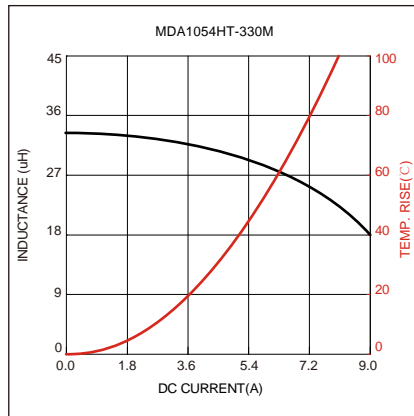
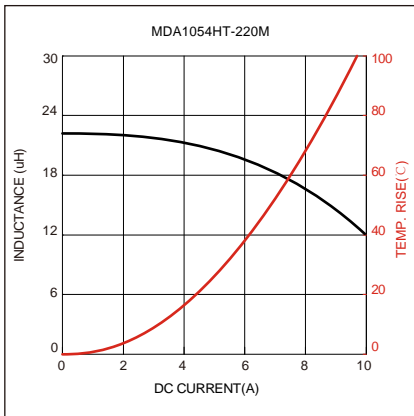
Part Number	DCR [mΩ]	Inductance [μH]	Isat [A]	Isat [A]	Isat [A]	Isat [A]	Isat [A]	Isat [A]
MDA1054HT-R68M	0.68	±20%	32.0	28.8	46.0	39.4	1.80	2.22
MDA1054HT-1R0M	1.00	±20%	30.0	27.0	37.0	31.7	2.30	2.76
MDA1054HT-1R5M	1.50	±20%	25.0	22.3	27.0	23.0	3.60	4.20
MDA1054HT-2R2M	2.20	±20%	23.0	20.7	25.0	21.4	4.10	4.90
MDA1054HT-3R3M	3.30	±20%	18.7	16.8	19.0	16.3	6.20	7.40
MDA1054HT-4R7M	4.70	±20%	14.5	13.0	15.7	13.5	9.00	10.0
MDA1054HT-6R8M	6.80	±20%	12.3	10.8	13.3	11.4	12.4	14.0
MDA1054HT-100M	10.0	±20%	9.00	7.80	12.8	10.9	22.0	24.2
MDA1054HT-150M	15.0	±20%	7.60	6.80	9.20	7.90	27.3	31.3

MDA1054HT-220M	22.0	±20%	6.00	5.40	8.80	7.50	43.5	50.0
MDA1054HT-330M	33.0	±20%	4.80	4.30	7.60	6.50	66.0	75.3
MDA1054HT-470M	47.0	±20%	4.20	3.60	4.90	4.20	89.0	103
MDA1054HT-680M	68.0	±20%	3.30	3.00	4.20	3.60	133	152
MDA1054HT-101M	100	±20%	2.80	2.50	3.50	3.00	215	234

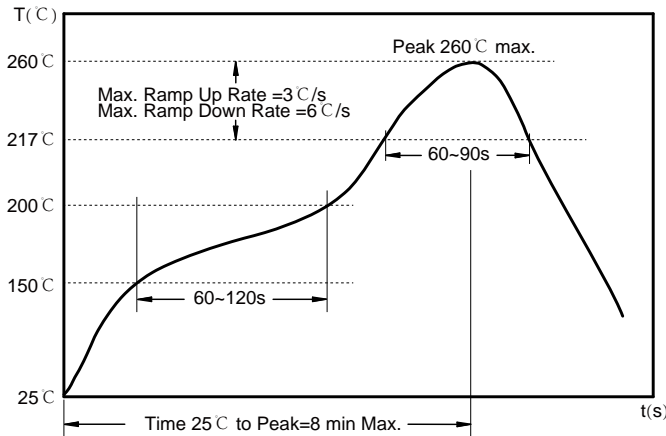


## Typical Electrical Characteristics:





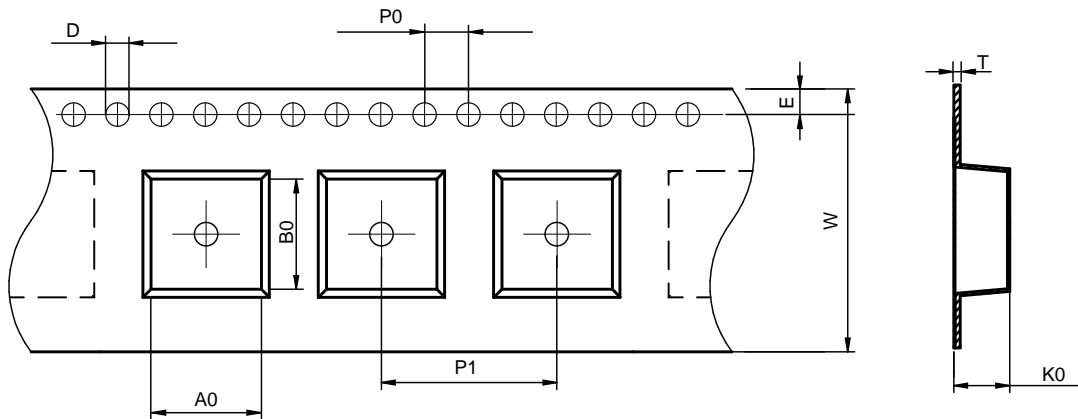
## Soldering Reflow:



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.

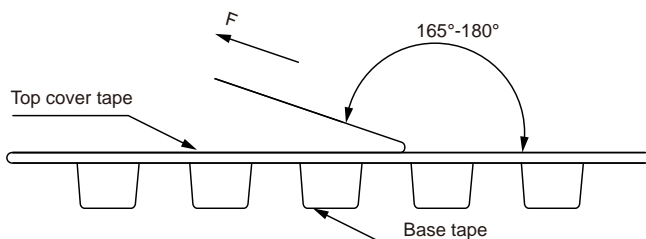
## Packaging Information:

### Tape Dimension :



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDA1054HT	10.4±0.1	11.6±0.1	1.5±0.1	4.0±0.1	16±0.1	24±0.3	5.7±0.1	1.75±0.1	0.40±0.05

### Peel force of top cover tape:

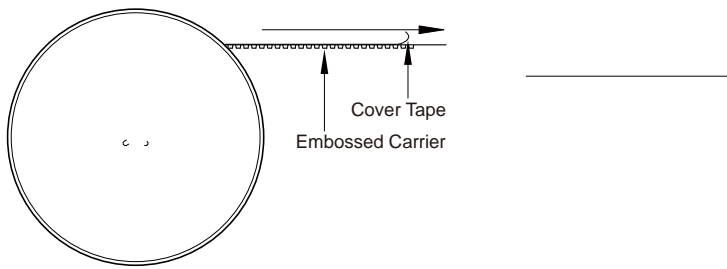


The peel force of top cover tape shall be between 0.1 to 1.3 N

### Product Marking:

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



Packaging Quantity: