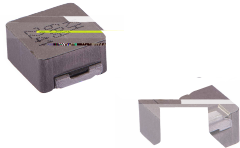


# MDA HT Series

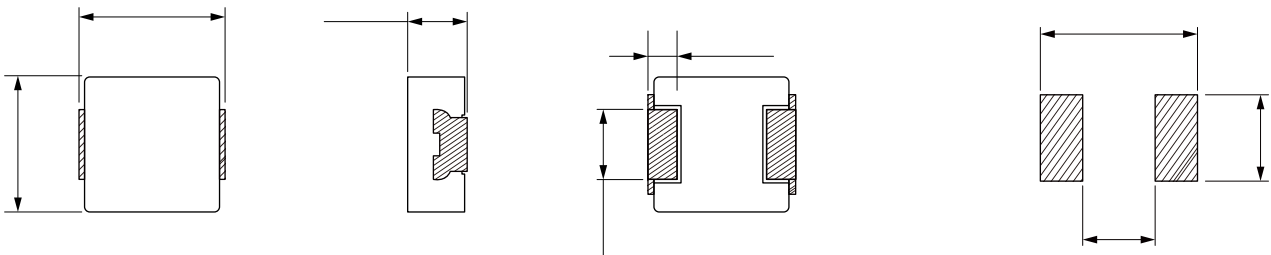
## FEATURES

- Low loss realized with low DCR.
- Ultra low buzz noise, due to composite construction.
- 100% Lead(Pb)-Free and RoHS compliant.
- High performance (Isat) realized by metal dust core.
- AEC-Q200 qualified.
- Operating temperature: -55 to +155 °C (including self-temperature rise)
- Quantity: 500PCS



## APPLICATION

- Headlamps, tail lamps and interior lighting
- HVAC
- Doors, window lift and seat control
- Audio subsystem
- Digital instrument cluster
- In-Vehicle Infotainment and navigation

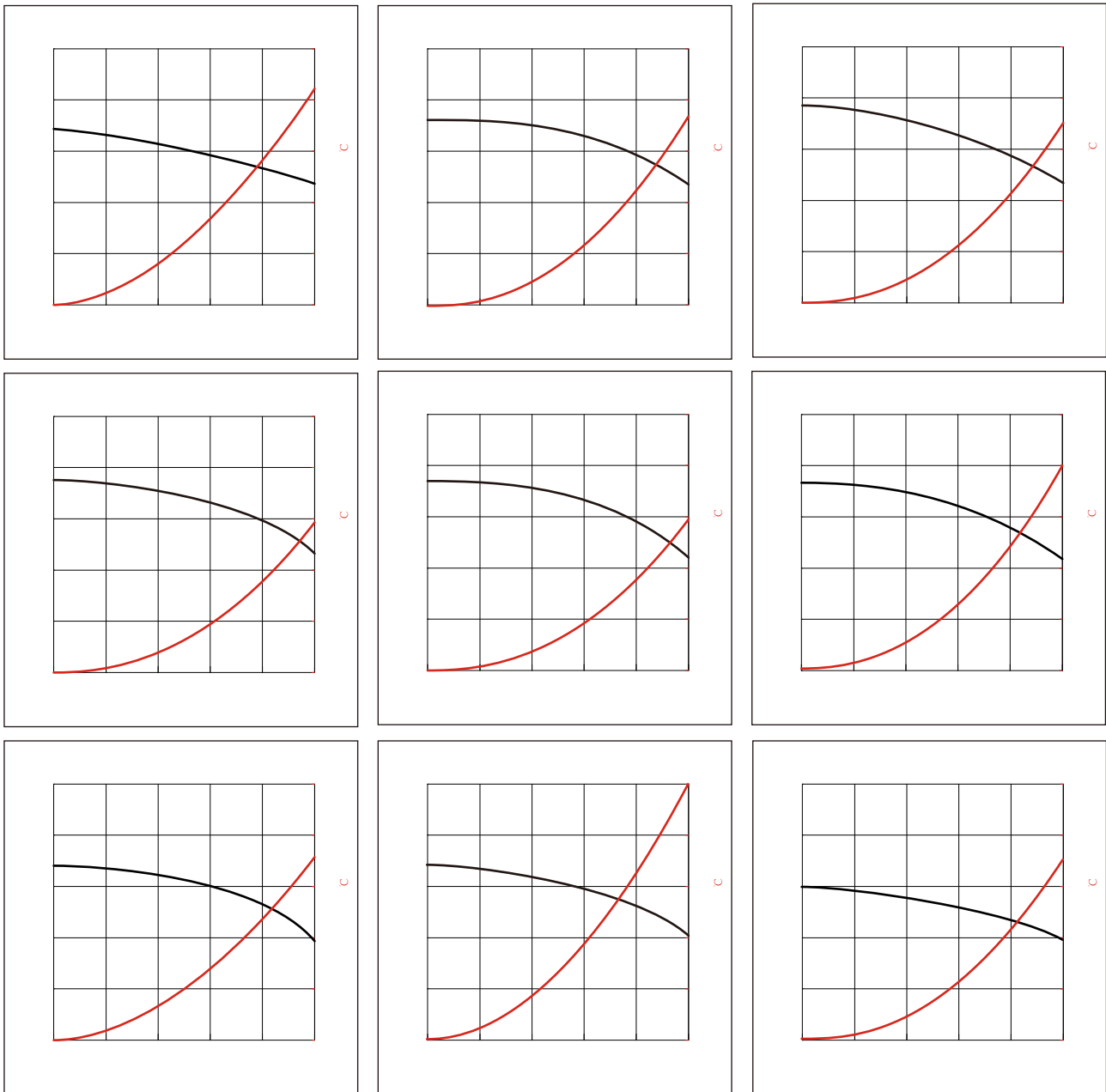


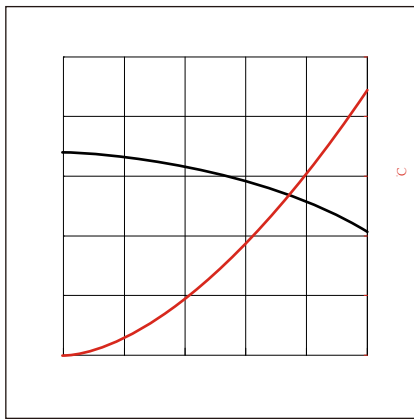
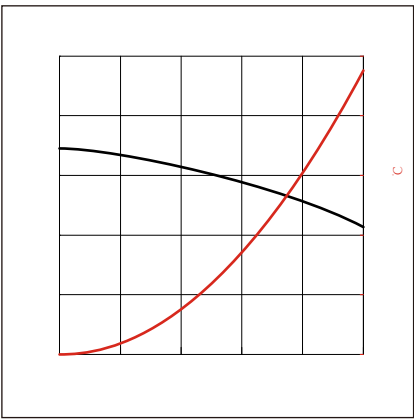
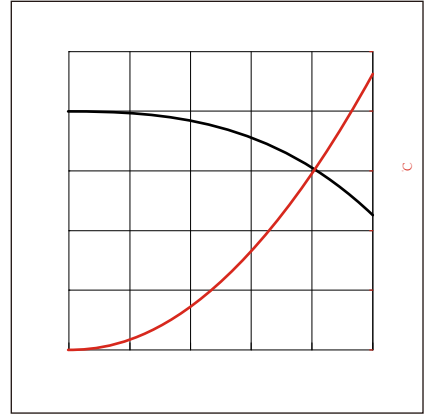
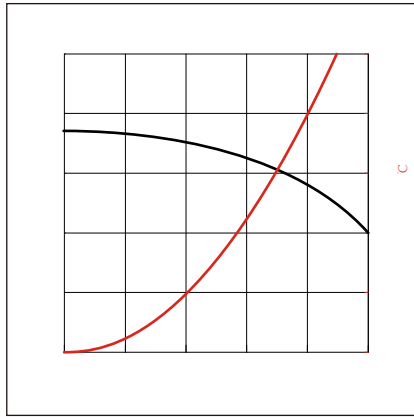
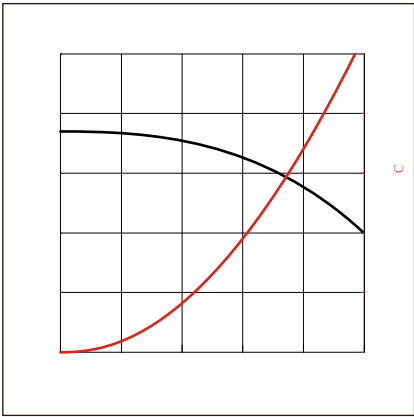
Part No	Inductance @ 100KHz/1V	Tolerance	Temperature Rise Current Typ.	Temperature Rise Current Max.	Current Typ.	Current Max.	DC Resistance Typ.	DC Resistance Max.
MDA1054HT-R68M	0.68	±20%	32.0	28.8	46.0	39.4	1.80	2.22
MDA1054HT-1R0M	1.00	±20%	30.0	27.0	37.0	31.7	2.30	2.76
MDA1054HT-1R5M	1.50	±20%	25.0	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

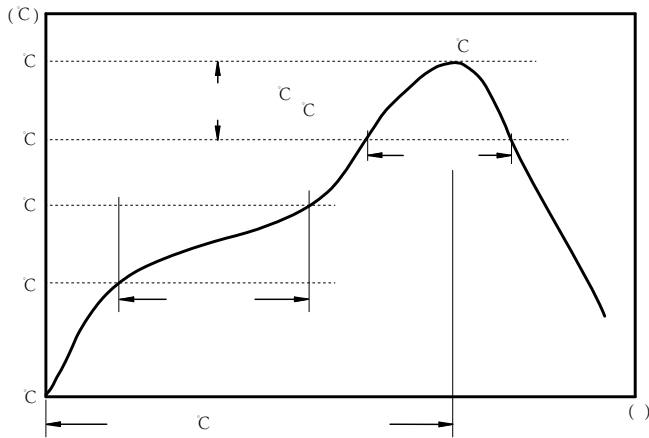
Part No	Inductance @ 100KHz/1V	Tolerance	Temperature Rise Current Typ.	Temperature Rise Current Max.	Current Typ.	Current Max.	DC Resistance Typ.	DC Resistance Max.
MDA1054HT-220M	22.0	±20%	6.00	5.40	8.80	7.50	43.5	50.0
MDA1054HT-330M	33.0	±20%	4.80	4.30	7.60	6.50	66.0	75.3
MDA1054HT-470M	47.0	±20%	4.20	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

Saturate on Current will cause L to drop approximately 30%.

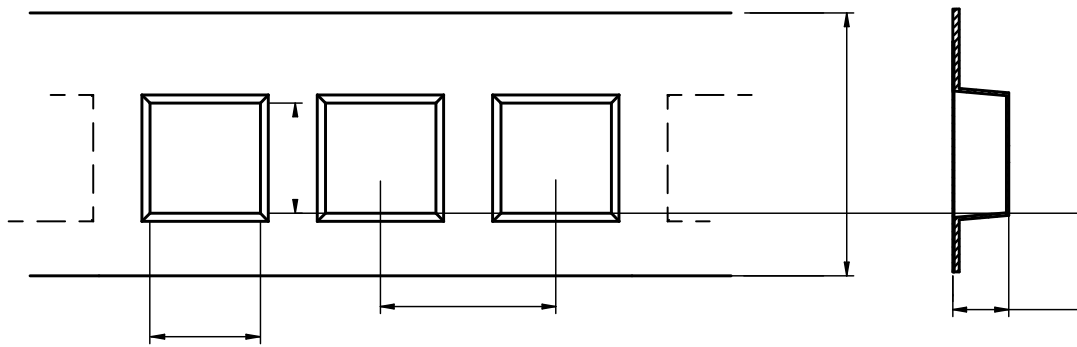
Temperature Rise Current: The actual value of DC current when the temperature rise is  $\Delta T=40^{\circ}\text{C}$



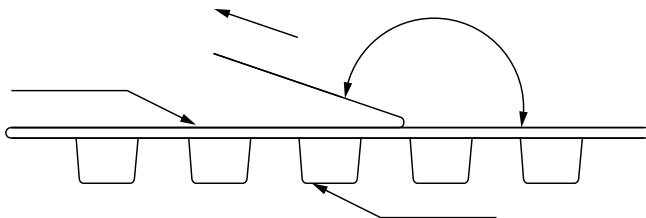




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MDA1054HT	10.4±0.1	11.6±0.1	1.5±0.1	4.0±0.1	16±0.1	24±0.3	5.7±0.1	1.75±0.1	0.40±0.05
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The peel force of top cover tape shall be between 0.1 to 1.3 N

Marking	KH+Printing (Inductance+period)
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