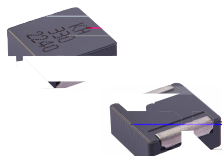


# MDCA Series

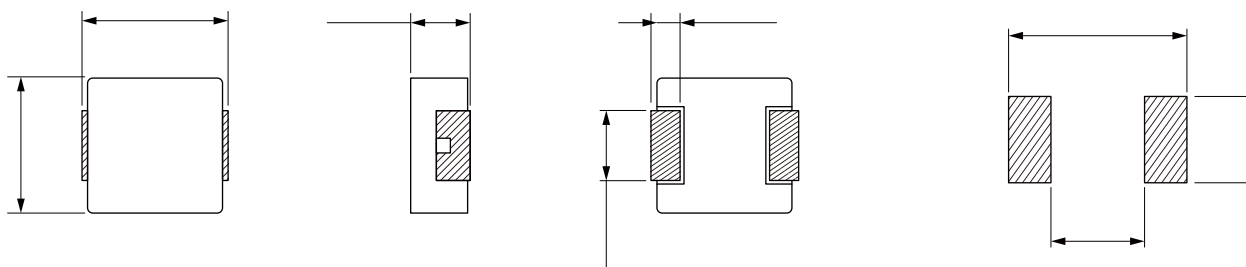


## FEATURES

- Shielded construction.
- Capable of corresponding high frequency.
- Low loss realized with low DCR.
- High performance (Isat) realized by Carbonyl Powder.
- Ultra low buzz noise, due to composite construction.
- 100% Lead(Pb)-Free and RoHS compliant.
- AEC-Q200 qualified
- Operating temperature: -55 to +125 °C(including self-temperature rise)
- Quantity: 200PCS

## APPLICATION

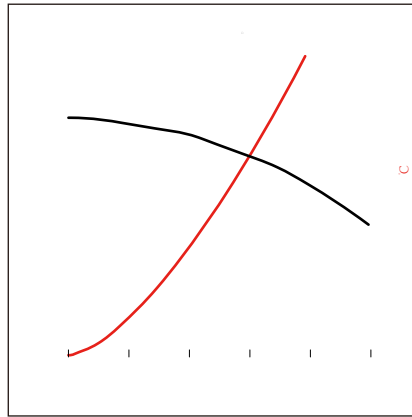
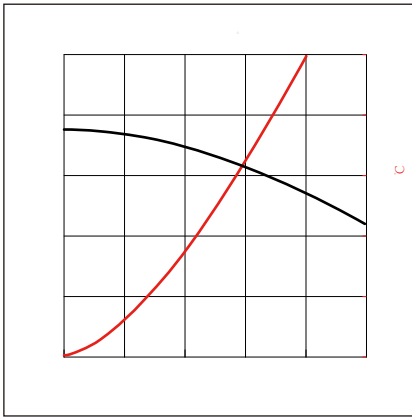
- Headlamps, tail lamps and interior lighting
- 
- Doors, window lift and seat control
- 
- 
- In-Vehicle Infotainment and navigation



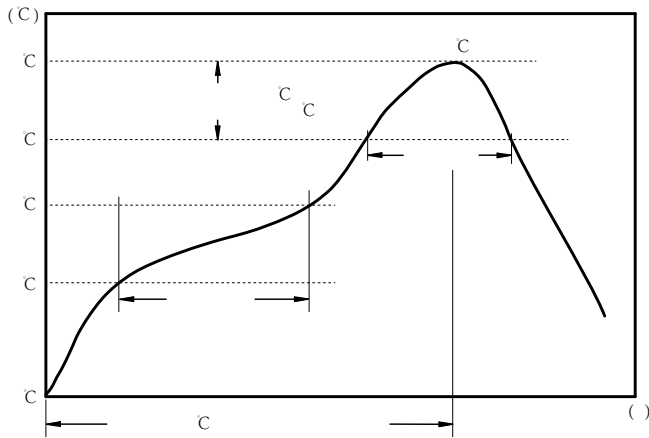
Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation Current Typ. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
MDCA1870-R45M	0.45		62.0	125	0.80	0.96
MDCA1870-R47M	0.47		62.0		0.95	1.03
MDCA1870-1R0M	1.00		52.0		1.60	2.00
MDCA1870-1R5M	1.50		47.0	65	2.00	2.50
MDCA1870-2R2M	2.20		43.5		2.40	2.70
MDCA1870-3R3M	3.30		28.0	54	3.50	3.90
MDCA1870-4R7M	4.70		25.0	50	4.80	5.50
MDCA1870-5R6M	5.60		21.0	45	5.80	7.05
MDCA1870-6R8M	6.80		19.0		8.40	9.20
MDCA1870-8R2M	8.20		18.0		9.60	10.8
MDCA1870-100M	10.0		16.5		11.8	13.0
MDCA1870-150M	15.0		12.5		17.8	20.5
MDCA1870-220M	22.0		12.0		25.1	26.5
MDCA1870-330M	33.0		10.7		38.0	44.0

Part No	Inductance @ 100KHz/1V ( $\mu\text{H}$ )	Tolerance			DC Resistance Typ. ( $\text{m}\Omega$ )	DC Resistance Max. ( $\text{m}\Omega$ )
MDCA1870-470M	47.0		8.7		48.0	55.0
MDCA1870-560M	56.0		7.8	15	54.0	62.0
MDCA1870-680M	68.0		7.0		68.0	80.0
MDCA1870-820M	82.0		5.7		87.0	
MDCA1870-101M			5.3			118

△

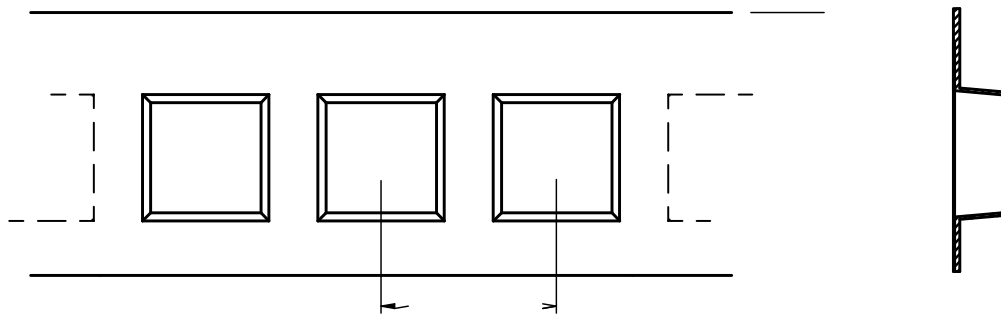




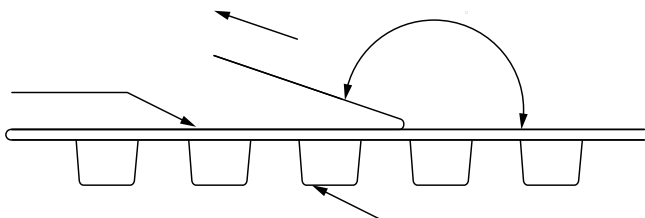


c  
c  
c

:



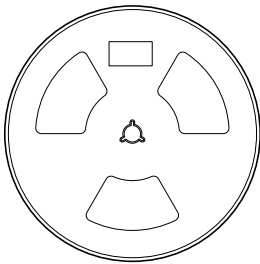
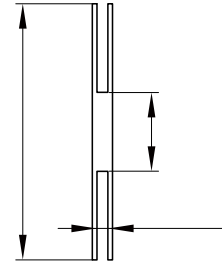
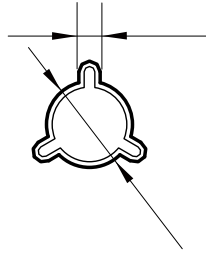
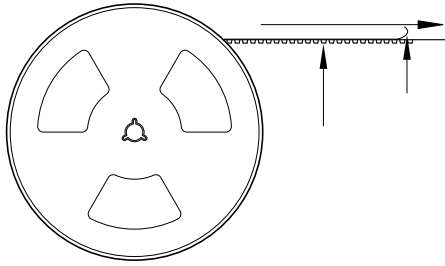
MDCA1870	17.5±0.1	18.1±0.1	1.5±0.1	4.0±0.1	24.0±0.1	32.0±0.3	7.3±0.1	1.75±0.1	0.50±0.05



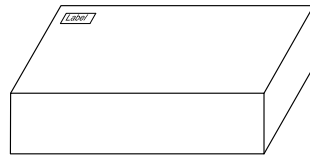
The peel force of top cover tape shall be between 0.1 to 1.3 N

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

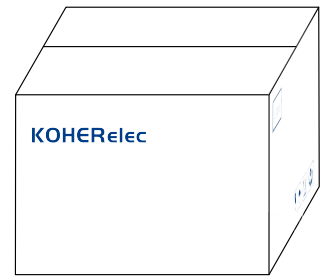
:



200 Pcs/Reel



2 Reel /Inner box( 400 Pcs)



2 Inner box/Carton box(800 Pcs)

:

•

•

•

•

•

•

•

•