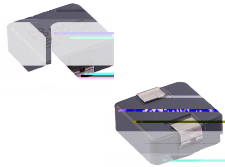


MDCA Series



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)

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 (μH)	Temperature Rise Current Typ. (A)	Current Typ. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)	5/8)
		42.0		0.60	0.70	
		34.0		0.90	1.10	
		30.0		1.10	1.30	
		30.0		1.15	1.30	
		27.0		1.40	1.60	
		24.4		1.70	1.90	
		21.5		2.50	2.82	
		17.4		3.12	3.48	
		15.5		4.15	4.80	
		11.6		6.70	7.20	
		10.5		11.0	12.0	
		9.60		15.3	15.8	
MDCA1040-R15N	0.15					
MDCA1040-R22M	0.22	8.70		17.3	19.8	
MDCA1040-R33M	0.33	8.20		18.0	23.4	
MDCA1040-R36M	0.36					
MDCA1040-R47M	0.47					
MDCA1040-R56M	0.56					
MDCA1040-R68M	0.68					
MDCA1040-1R0M	1.00					
MDCA1040-1R5M	1.50					
MDCA1040-2R2M	2.20					
MDCA1040-3R3M	3.30					
MDCA1040-4R7M	4.70					
MDCA1040-5R6M	5.60					
MDCA1040-6R8M	6.80					

Tolerance

±20%	12.2
±20%	11.6
±20%	9.70
±20%	6.80
±20%	4.80
±20%	

