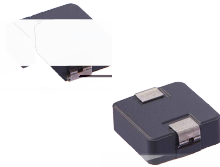


SMD Power Inductor Size 1040

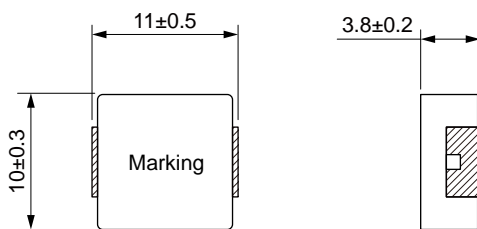


- Shielded construction.
- Capable of corresponding high frequency.
- Low loss realized with low DCR.
- High performance (Isat) realized by Carbonyl Powder.
- Ultra low buzz noise, due to composite construction.
- 100% Lead(Pb)-Free and RoHS compliant.
- AEC-Q200 qualified
- Operating temperature: -55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

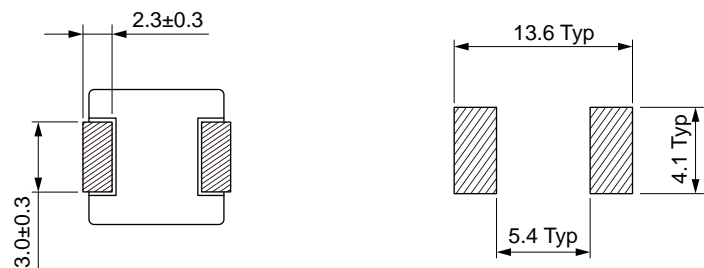
- Headlamps, tail lamps and interior lighting
-
- Doors, window lift and seat control
-
-
- In-Vehicle Infotainment and navigation

emp

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @ 100KHz/1V	Tolerance	Temperature Rise Current Typ. (A)	Current Typ. (A)	DC Resistance Typ.	DC Resistance Max.
MDCA1040-R15N	0.15		42.0	74.0	0.60	0.70
	0.22		34.0	59.0	0.90	1.10
	0.33		30.0	59.0	1.10	1.30
	0.36		30.0	59.0	1.15	1.30
MDCA1040-R56M	0.47		27.0	42.0	1.40	1.60
	0.56		24.4	39.0	1.70	1.90
	0.68		21.5	38.0	2.50	2.82
MDCA1040-1R5M	1.00		17.4	35.2	3.12	3.48
	1.50		15.5	32.0	4.15	4.80
	2.20		11.6	26.4	6.70	7.20
	3.30		10.5	19.4	11.0	12.0
MDCA1040-5R6M	4.70		9.60	16.5	15.3	15.8
	5.60		8.70	13.7	17.3	19.8
	6.80		8.20	13.1	18.0	23.4

Part No	Inductance @ 100KHz/1V	Tolerance	Temperature Rise Current Typ. (A)	Current Typ. (A)	DC Resistance Typ.	DC Resistance Max.
			7.80	12.2	20.8	23.8
			7.30	11.6	27.8	31.0
MDCA1040-150M			6.00	9.70	41.0	46.0
			4.80	6.80	65.0	75.0
			3.30	4.80	94.0	115
			2.90	4.30		169

