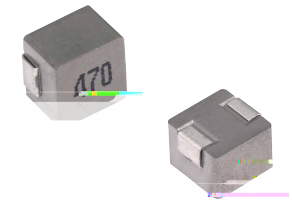
MDE Series

Molding Power Inductors
Size 1040



FEATURES

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- ℃ maximum total temperature opera on
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- Ultra low buzz noise due to molding construc on
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- Opera ng temperature range - 55 °C to + 125 °C
- Quan ty: 500pcs

APPLICATION

- Laptops and PCs
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- Base sta ons
- DC/DC converters
- Ba ery powered devices
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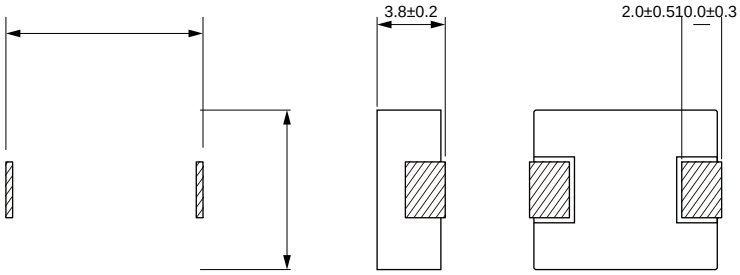
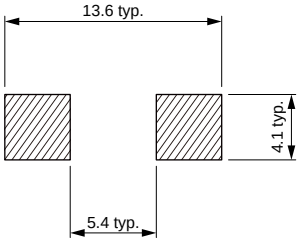
Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @ 100kHz/1V	Tolerance	DC Resistance Max.	Current Typ. (A)	Temperature Rise Current Typ. (A)
MDE1040-R15M	0.15	±20%	0.65	75.0	45.0
MDE1040-R22M	0.22	±20%	1.00	60.0	35.0
MDE1040-R30M	0.30	±20%	1.10	45.0	35.0
MDE1040-R36M	0.36	±20%	1.20	45.0	30.0
MDE1040-R47M	0.47	±20%	1.70	40.0	30.0
MDE1040-R56M	0.56	±20%	1.80	33.0	25.0
MDE1040-R68M	0.68	±20%	2.40	30.0	23.0
MDE1040-R80M	0.80	±20%	2.70	29.0	23.0
MDE1040-1R0M	1.00	±20%	3.30	28.0	19.0
MDE1040-1R5M	1.50	±20%	4.20	24.0	16.0
MDE1040-2R2M	2.20	±20%	7.00		12.0
MDE1040-3R3M	3.30	±20%		16.0	11.0
MDE1040-4R7M	4.70	±20%	20.0	13.0	9.00
MDE1040-5R6M	5.60	±20%	22.0	12.0	8.50
MDE1040-6R8M	6.80	±20%	25.0	12.0	8.50
MDE1040-8R2M	8.20	±20%	27.0	9.00	8.00

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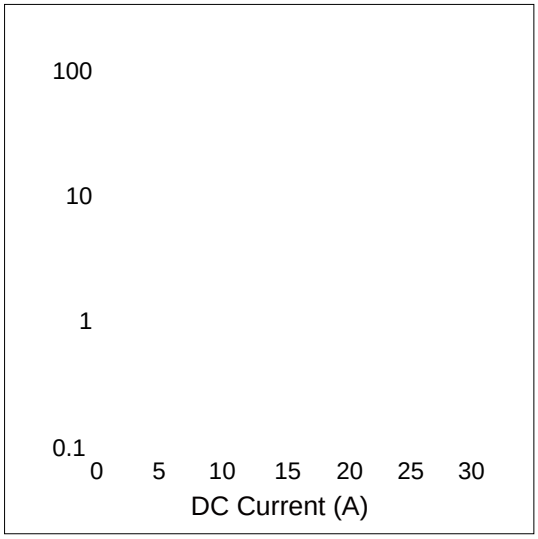
Typical Electrical Characteristics:

Inductance vs DC Current Characteristics:



Temperature Rise vs DC Current Characteristics: