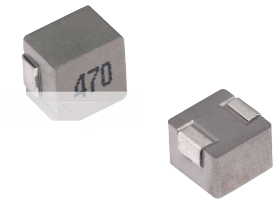
MDE Series
Molding Power Inductors
Size 1240



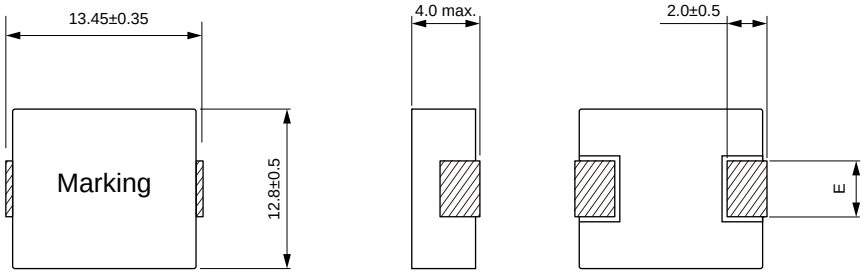
FEATURES

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

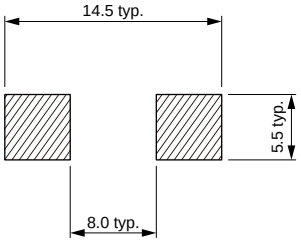
APPLICATION

- Laptops and PCs
-
- Base sta ons
- DC/DC converters
- Ba ery powered devices
-

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

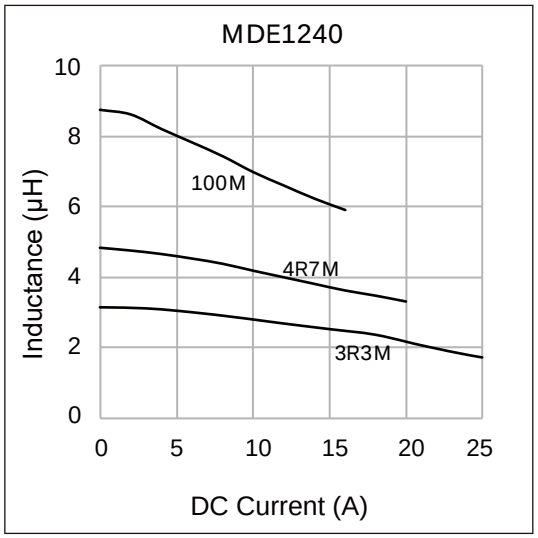
MDE1240-R22M	0.22	±20%	0.90	50.0	42.0	3.85±0.5
MDE1240-R47M	0.47	±20%	2.00	48.0	33.0	3.85±0.5
MDE1240-R68M	0.68	±20%	3.50	47.0	28.0	5.00±0.3
MDE1240-R82M	0.82	±20%	4.50	40.0	28.0	5.00±0.3
MDE1240-1R0M	1.00	±20%	7.50	35.0	24.0	5.00±0.3
MDE1240-1R5M	1.50	±20%	9.50	30.5	20.0	5.00±0.3
MDE1240-2R2M	2.20	±20%	11.5	26.0	18.0	5.00±0.3
MDE1240-3R3M	3.30	±20%	13.0	21.0	15.0	5.00±0.3
MDE1240-4R7M	4.70	±20%	14.5	18.0	13.0	5.00±0.3
MDE1240-6R8M	6.80	±20%	20.0	14.0	9.00	5.00±0.3
MDE1240-100M	10.0	±20%	25.0	10.0	8.00	5.00±0.3
MDE1240-150M	15.0	±20%	39.0	7.50	6.50	5.00±0.3
MDE1240-220M	22.0	±20%	51.0	6.00	4.50	5.00±0.3

Saturation Current will cause L to drop approximately 30%
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

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Typical Electrical Characteristics:

Inductance vs DC Current Characteristics:



Temperature Rise vs DC Current Characteristics:

