

MDE Series

Molding Power Inductors

Size 0624



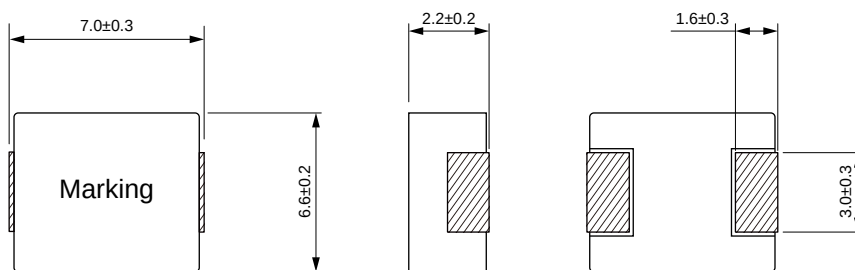
FEATURES

-
-
- $^{\circ}\text{C}$ maximum total temperature operation
-
- Ultra low buzz noise due to molding construction
-
- Operating temperature range - 55°C to $+125^{\circ}\text{C}$
- Quantity: 1500pcs

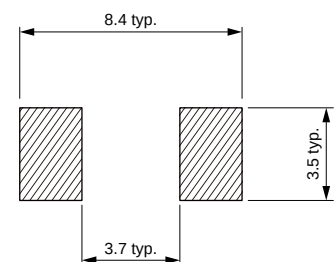
APPLICATION

- Laptops and PCs
-
- Base stations
- DC/DC converters
- Battery powered devices
-

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

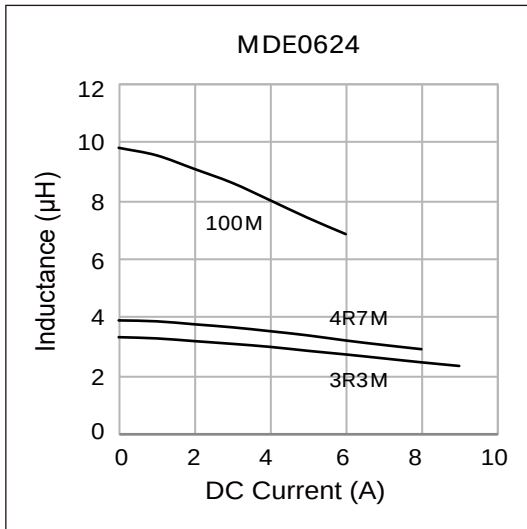
	(μH)		($\text{m}\Omega$)	Saturation	
MDE0624-R22M	0.22	$\pm 20\%$	3.00	30.0	21.0
MDE0624-R33M	0.33	$\pm 20\%$	4.10	24.5	18.0
MDE0624-R47M	0.47	$\pm 20\%$	5.10	20.0	15.0
MDE0624-R56M	0.56	$\pm 20\%$	6.50	17.0	13.0
MDE0624-R68M	0.68	$\pm 20\%$	7.00	16.0	12.0
MDE0624-1R0M	1.00	$\pm 20\%$	13.5	15.0	9.00
MDE0624-1R5M	1.50	$\pm 20\%$	20.0	13.5	8.20
MDE0624-2R2M	2.20	$\pm 20\%$	28.0	10.0	7.00
MDE0624-3R3M	3.30	$\pm 20\%$	39.0	8.00	5.50
MDE0624-4R7M	4.70	$\pm 20\%$	50.0	6.50	5.00
MDE0624-6R8M	6.80	$\pm 20\%$	70.0	6.00	4.00
MDE0624-100M	10.0	$\pm 20\%$	101	4.00	3.10
MDE0624-150M	15.0	$\pm 20\%$	160	3.30	2.50
MDE0624-220M	22.0	$\pm 20\%$	230	2.50	2.00

Saturation Current will cause L to drop approximately 30%

Temperature Rise Current: The actual value of DC current when the temperature rise is $\Delta T=40^{\circ}\text{C}$

Typical Electrical Characteristics:

Inductance vs DC Current Characteristics:



Temperature Rise vs DC Current Characteristics:

