

MDE Series

Molding Power Inductors

Size 0624



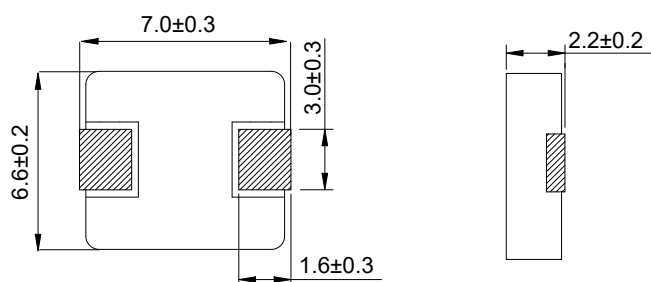
FEATUERS

- High rated current
- Frequency up to 3 MHz
- 125 °C maximum total temperature operation
- Low core loss
- Ultra low buzz noise due to molding construction
- Halogen Free & ROHS compliant
- Quantity: 1500pcs

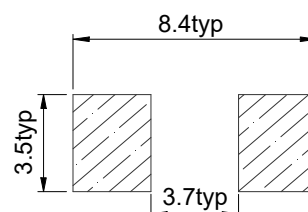
APPLICATION

- Laptops and PCs
- Switch and servers
- Base stations
- DC/DC converters
- Battery powered devices
- SSD modules

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No.	L@100KHz /1V (μH)	Tolerance	R _{DC} Max. (mΩ)	I _{last} Typ. (A)	I _R Typ. (A)
MDE0624-R22M	0.22	±20%	3	30	21
MDE0624-R33M	0.33	±20%	4.1	24.5	18
MDE0624-R47M	0.47	±20%	5.1	20	15
MDE0624-R56M	0.56	±20%	6.5	17	13
MDE0624-R68M	0.68	±20%	7	16	12
MDE0624-1R0M	1.0	±20%	13.5	15	9
MDE0624-1R5M	1.5	±20%	20	13.5	8.2
MDE0624-2R2M	2.2	±20%	28	10	7
MDE0624-3R3M	3.3	±20%	39	8	5.5

Part No.	L@100KHz /1V (μ H)	Tolerance	R _{DC} Max. (m Ω)	I _{sat} Typ. (A)	I _R Typ. (A)
MDE0624-4R7M	4.7	±20%	50	6.5	5
MDE0624-6R8M	6.8	±20%	70	6	4
MDE0624-100M	10	±20%	101	4	3.1
MDE0624-150M	15	±20%	160	3.3	2.5
MDE0624-220M	22	±20%	230	2.5	2

Operating temperature range - 55 °C to + 125 °C

I_R will cause the coil temperature approximate ΔT 40 °C

I_{sat} will cause to drop approximately 30 %