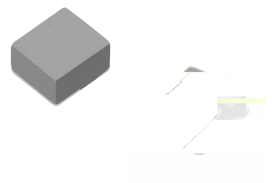
MDTE Series

Wire Wound Molded SMD Power Inductors

Size 20121A



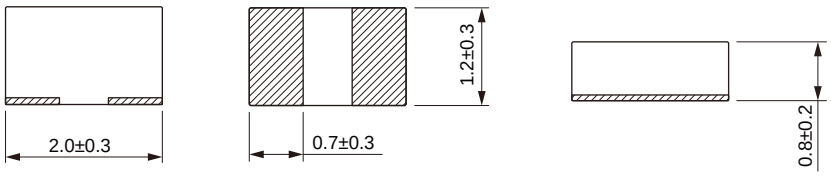
FEATURES

- So satura on
- High current,low DCR,high e ciency
- Very low acous c noise and very low leakage flux noise
- High reliability
- 100% Lead(Pb)-Free and RoHS compliant
- Opera ng temperature -40~+125℃(Including self - temperature rise)
- Quan ty: 3000pcs

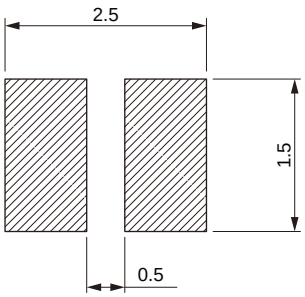
APPLICATION

- Note PC power system,incl. IMVP-6
- DC/DC converter

Dimensions: [mm]



Land Pattern: [mm]



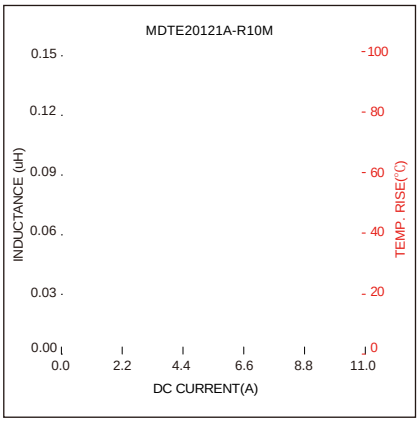
Electrical Properties:

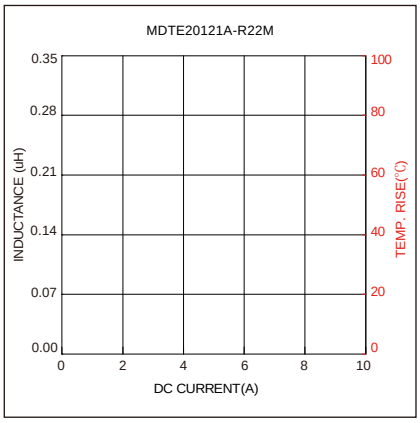
MDTE20121A-R10M	0.10	±20%	8.5	8.0	7.5	7.0	13
MDTE20121A-R22M	0.22	±20%	7.3	6.8	7.1	6.5	22
MDTE20121A-R24M	0.24	±20%	7.2	6.7	7.0	6.4	23
MDTE20121A-R33M	0.33	±20%	6.5	6.0	5.5	5.0	32
MDTE20121A-R47M	0.47	±20%	5.5	5.0	4.7	4.3	36
MDTE20121A-R68M	0.68	±20%	5.0	4.5	4.3	4.0	43
MDTE20121A-1R0M	1.00	±20%	4.0	3.5	3.9	3.5	63
MDTE20121A-1R5M	1.50	±20%	3.2	2.7	3.1	2.6	85
MDTE20121A-2R2M	2.20	±20%	2.7	2.4	2.0	1.7	150

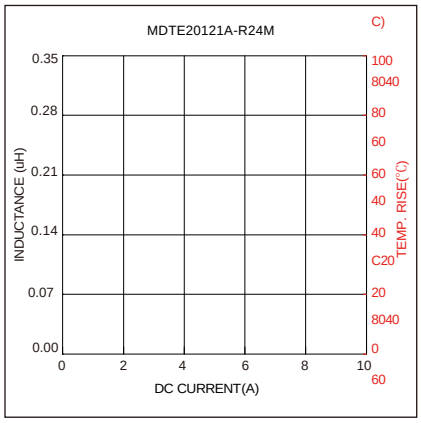
Saturation Current will cause L to drop approximately 30%

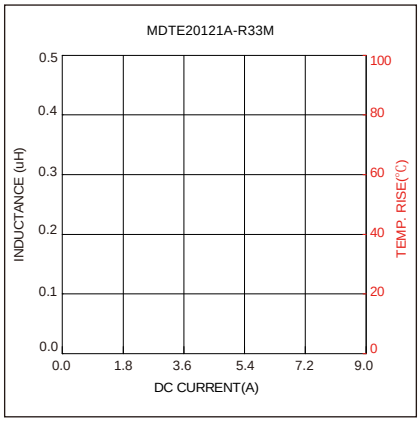
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

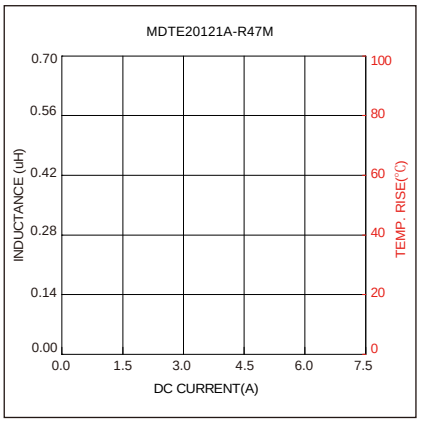
Typical Electrical Characteristics:

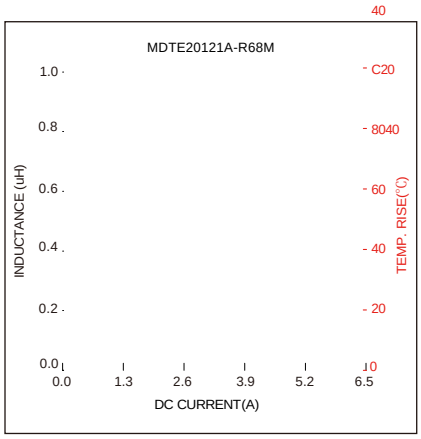


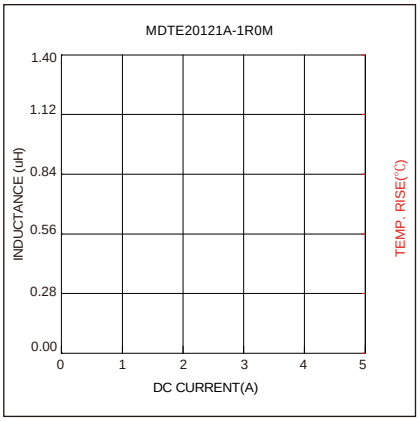


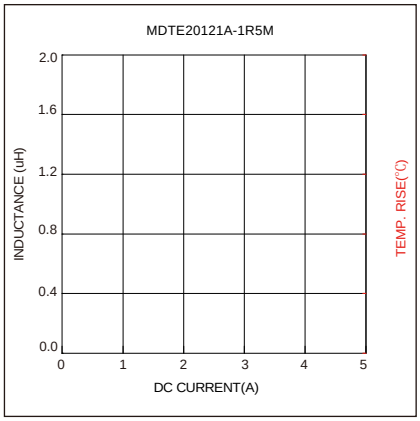


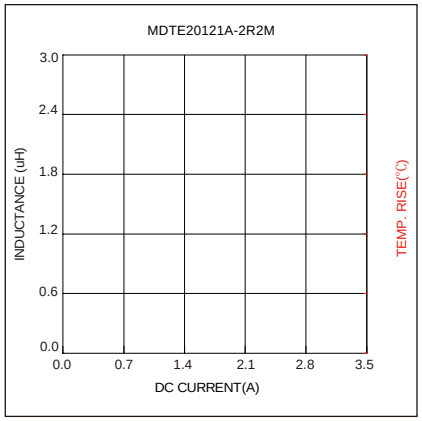












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Soldering Reflow:

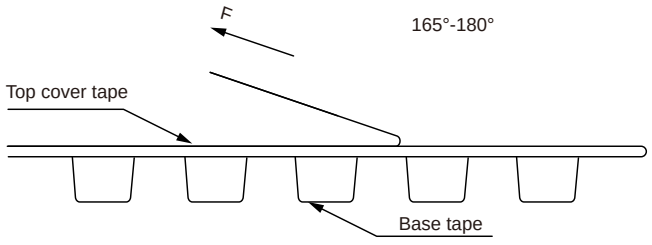
Packaging Information:

Tape Dimension：



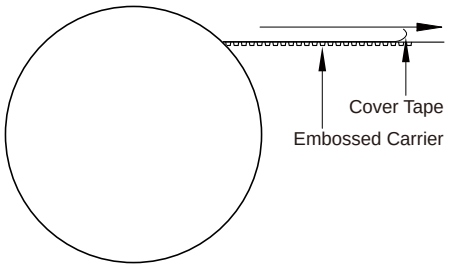
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDTE20121A	1.5 ± 0.1	2.3 ± 0.1	1.5 ± 0.1	4.0 ± 0.1	4.0 ± 0.1	8.0 ± 0.1	1.2 ± 0.1	1.75 ± 0.1	0.25 ± 0.05

Peel force of top cover tape:



The peel force of top cover tape shall be between 0.1 to 0.98 N

Reel Dimension：[mm]



Packaging Quantity: