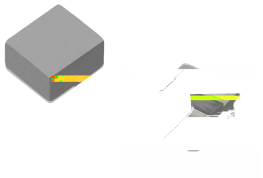
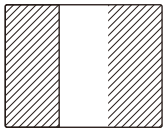
MDTE Series
Wire Wound Molded SMD Power Inductors
Size 20161A



Dimensions: [mm]

Land Pattern: [mm]



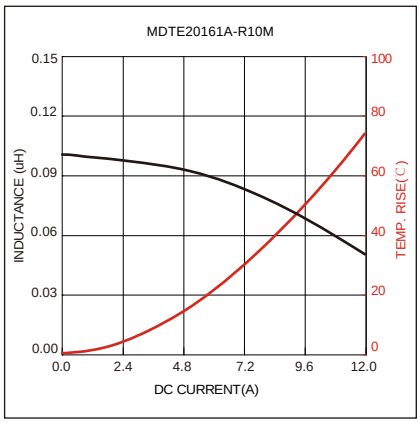
Electrical Properties:

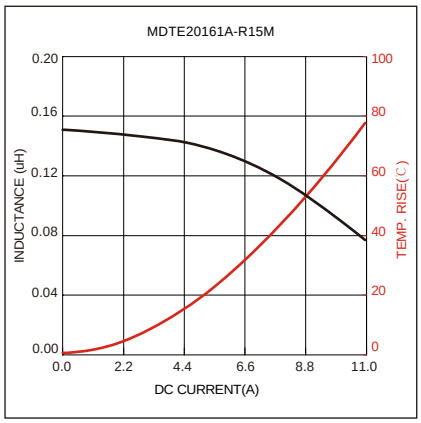
Part No	Inductance @ 1MHz/1V	Tolerance	Current Typ.	Current Max.	Temperature Rise Current Typ.	Temperature Rise Current Max.	DC Resistance Max.
MDTE20161A-R10M	0.10	±20%	9.0	8.4	8.5	8.0	14
MDTE20161A-R15M	0.15	±20%	8.7	8.0	7.6	7.0	16
MDTE20161A-R24M	0.24	±20%	7.3	7.0	6.8	6.2	18
MDTE20161A-R33M	0.33	±20%	7.0	6.5	6.5	6.0	20
MDTE20161A-R47M	0.47	±20%	6.3	5.5	6.0	5.5	22
MDTE20161A-R68M	0.68	±20%	5.2	4.7	5.0	4.5	31
MDTE20161A-1R0M	1.00	±20%	4.8	4.2	4.0	3.7	46
MDTE20161A-1R5M	1.50	±20%	3.5	3.1	3.4	3.0	96
MDTE20161A-2R2M	2.20	±20%	3.0	2.8	2.8	2.5	138
MDTE20161A-3R3M	3.30	±20%	2.3	2.0	1.7	1.5	170

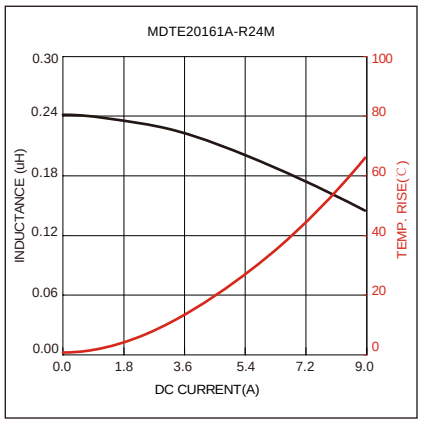
Saturation Current will cause L to drop approximately 30%
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

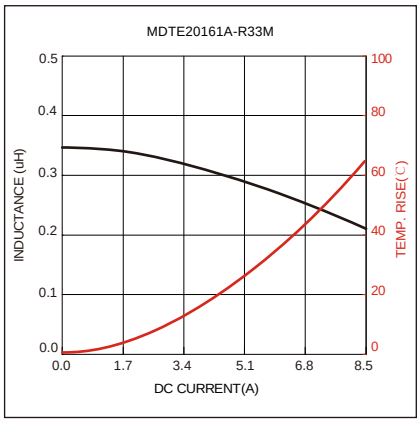
KOHER Electronic
4546 BATES DRIVE, YORBLINDA CA 92886 USA
714-325-4789 Contact@kohergroup.com

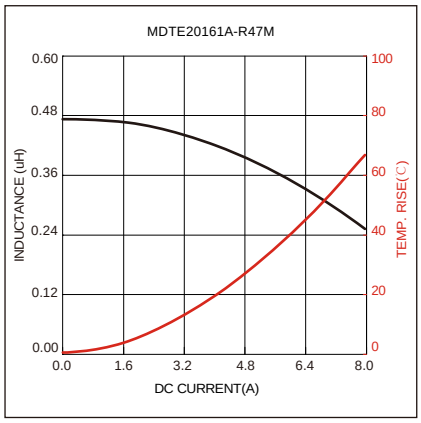
Typical Electrical Characteristics:

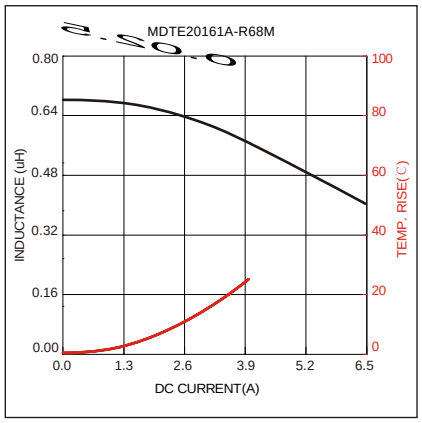


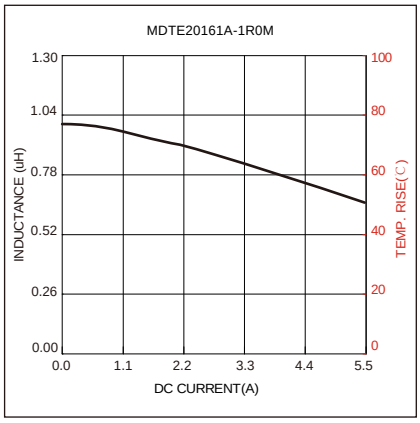


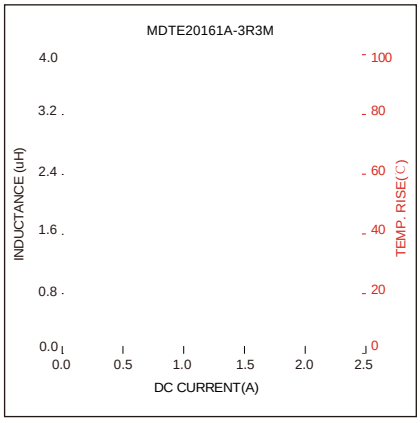












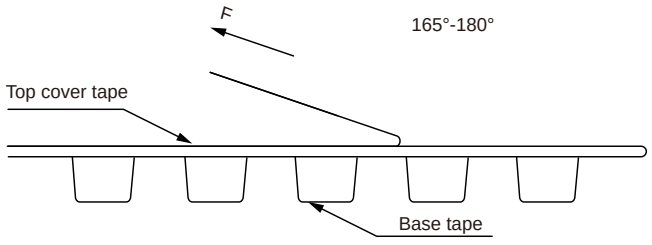
Soldering Reflow:

Packaging Information:

Tape Dimension:

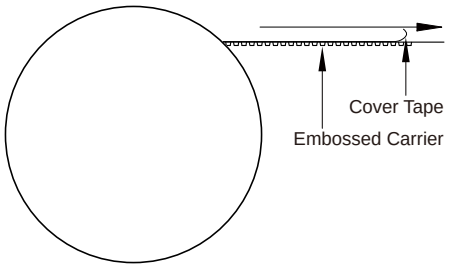
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDTE20161A	1.9 ± 0.1	2.3 ± 0.1	1.5 ± 0.1	4.0 ± 0.1	4.0 ± 0.1	8.0 ± 0.1	1.2 ± 0.1	1.75 ± 0.1	0.25 ± 0.05

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: