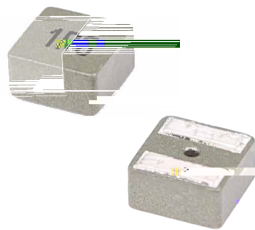




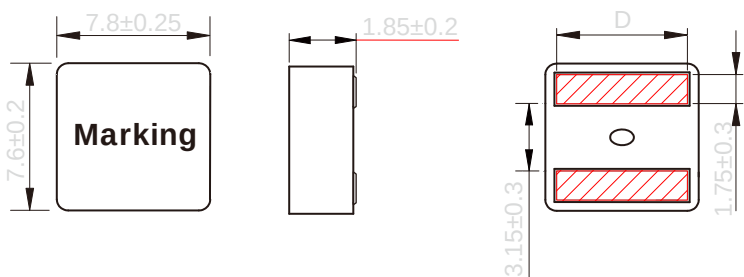
Wire Wound Molded SMD Power Inductors

Size 7020

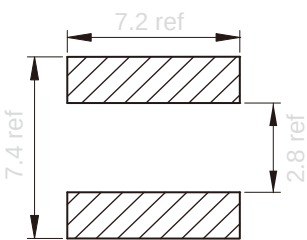


- So saturation on
 - High current,low DCR,high efficiency
 - Very low acoustic noise and very low leakage flux noise
 - High reliability
 - 100% Lead(Pb)-Free and RoHS compliant
 - Operating temperature -55~+125 °C (Including self - temperature rise)
 - Quantity: 2000pcs
-
- Note PC power system,incl. IMVP-6
 - DC/DC converter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @ 100KHz/0.1V	Tolerance	Current Typ.	Current Max.	Temperature Rise Current Typ.	DC Resistance Max.	D
MDTE7020-R27M	0.27	±20%	35	32	21	3.5	6.6±0.3
MDTE7020-R31M	0.31	±20%	34	31	20	4.8	6.2±0.3
MDTE7020-R33M	0.33	±20%	34	31	19	4.8	6.2±0.3
MDTE7020-R47M	0.47	±20%	28	25	17	6.2	6.2±0.3
MDTE7020-R68M	0.68	±20%	25	23	13	9.2	6.2±0.3
MDTE7020-1R0M	1.00	±20%	23	20	11	10.8	6.2±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 $\Delta T=40^{\circ}\text{C}$



Soldering Reflow:

Preheat condition: 150 ~200℃ / 60~120 sec.
Allowed time above 217℃ : 60~90 sec.
Max temperature: 260℃ .
Max time at max temperature: 10 sec.
Allowed Reflow time: 2x max.

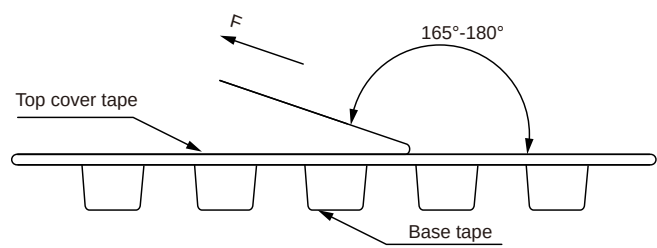


Packaging Information:

Tape Dimension :

Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDTE7020	8.2±0.1	8.0±0.1	1.5±0.1	4.0±0.1	12.0±0.1	16.0±0.3	2.3±0.1	1.75±0.1	0.35±0.05

Peel force of top cover tape:



The peel force of top cover tape shall be between 0.1 to 1.3 N



Reel Dimension: [mm]

Packaging Quantity: