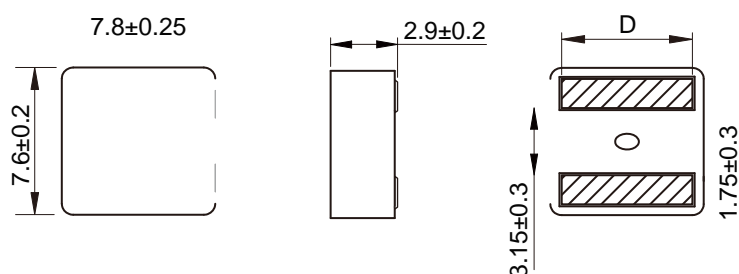


## Flat Wire Molded Inductor Size 7030

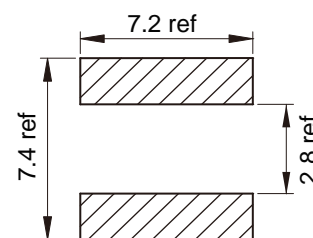


- Flat wire coil for low copper losses
  - Composite core material allows high saturation currents
  - Very low acoustic noise and very low leakage flux noise
  - High current capability and handles high transient current spikes
  - AEC-Q200 qualified
  - Operating temperature -55 to +155 °C (Including self - temperature rise)
  - Quantity: 1500pcs
- 
- DC/DC converters for entertainment/navigation systems
  - Noise suppression for motors: windshield wipers / power seats/ power mirrors / heating and ventilation blowers / HID lighting
  - LED drivers

### Dimensions: [mm]



### Land Pattern: [mm]



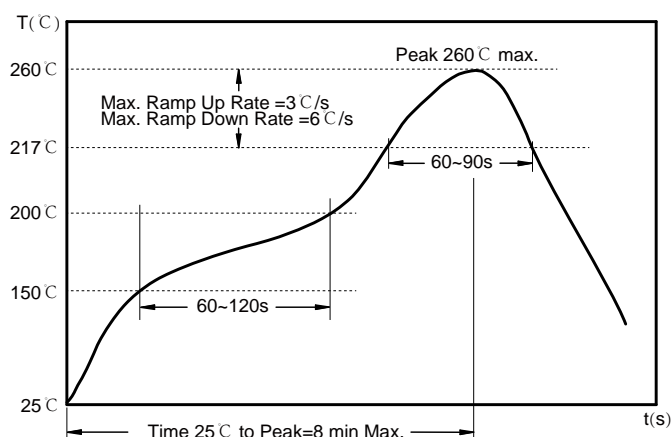
### Electrical Properties:

MDTA7030-1R0M	1.00	±20%	30.0	16.1	21.8	5.00	6.6±0.3
MDTA7030-1R5M	1.50	±20%	25.0	12.0	15.3	8.25	6.6±0.3
MDTA7030-2R2M	2.20	±20%	19.0	10.0	13.0	13.7	6.2±0.3
MDTA7030-2R7M	2.70	±20%	16.0	9.20	11.4	15.4	6.2±0.3
MDTA7030-3R3M	3.30	±20%	15.0	8.00	10.0	18.0	6.2±0.3
MDTA7030-4R7M	4.70	±20%	13.5	6.90	9.00	26.7	6.2±0.3
MDTA7030-5R6M	5.60	±20%	12.5	5.30	7.30	33.2	6.2±0.3
MDTA7030-6R8M	6.80	±20%	12.0	4.50	6.80	42.5	6.2±0.3
MDTA7030-8R2M	8.20	±20%	10.2	3.00	5.90	48.73	6.2±0.3

Saturation Current will cause L to drop approximately 30%

Temperature Rise Current that causes the specified temperature rise from 25°C ambient.

## Soldering Reflow:



Preheat condition: 150 ~200 °C / 60~120 sec.

Allowed time above 217 °C : 60~90 sec.

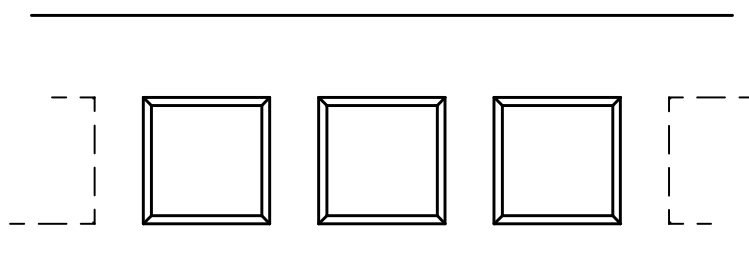
Max temperature: 260 °C .

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

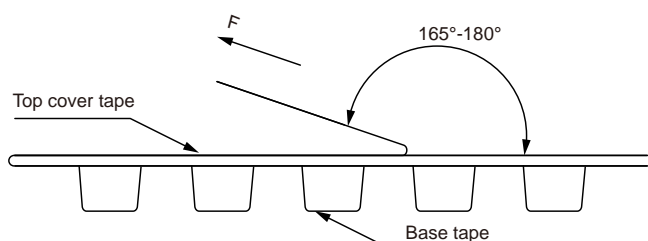
## Packaging Information:

### Tape Dimension :



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDTA7030	8.2±0.1	8.0±0.1	1.5±0.1	4.0±0.1	12.0±0.1	16.0±0.3	3.3±0.1	1.75±0.1	0.35±0.05

### Peel force of top cover tape:

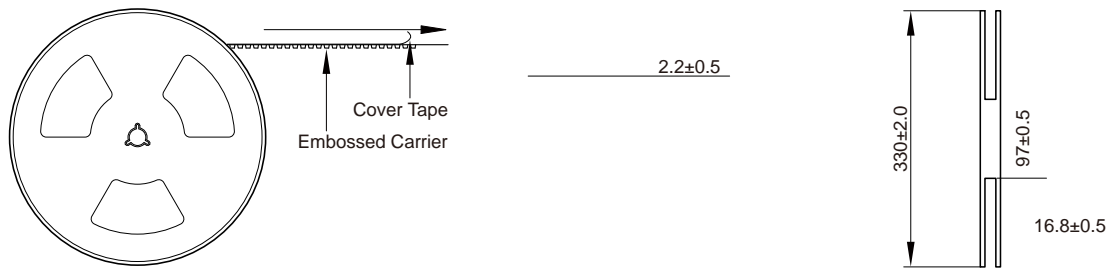


The peel force of top cover tape shall be between 0.1 to 1.3 N

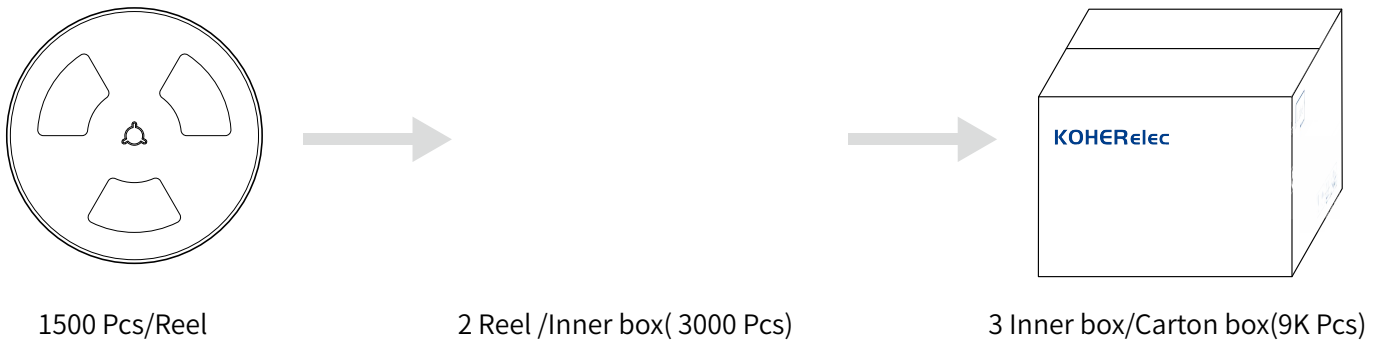
### Product Marking:

Marking	Printing (Inductance)
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## Reel Dimension: [mm]



## Packaging Quantity:



## Cautions and Warnings:

### Storage Conditions:

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- 
- 

### Operation Instructions:

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