

# MDTA Series

## Flat Wire Molded Inductor

### Size 7030



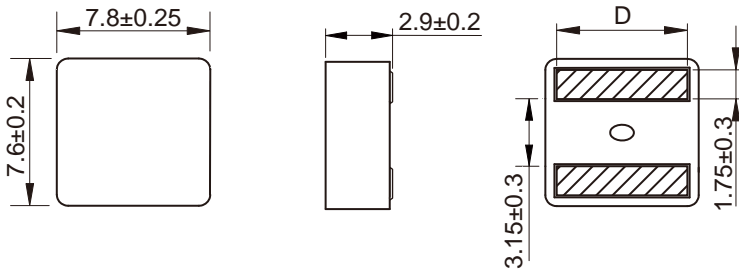
#### FEATURES

- Composite core material allows high saturation currents
- Very low acoustic noise and very low leakage flux noise
- High temperature capability and handles high transient currents
- C-Q200 qualified
- Operating temperature -55 to +155 °C (Including self - temperature rise)
- Quantity: 1500pcs

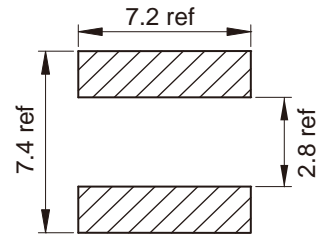
#### APPLICATION

- DC/DC converters for entertainment/navigation systems
- Applications: windshield power mirrors / heating and ventilation blowers / HID lighting
- LED driv

Dimensions: [mm]



Land Pattern: [mm]

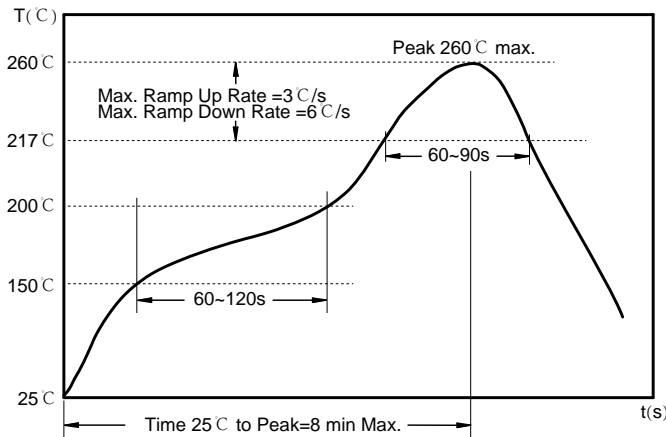


Electrical Properties:

Part No	L@100KHz /0.1V	Tolerance	I <sub>SAT</sub> Typ.	I <sub>R</sub>		R <sub>DC</sub> Max.	D
				20°C rise	40°C rise		

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.

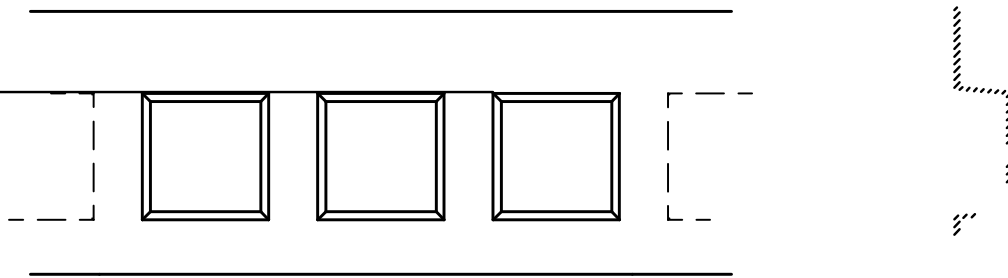
Max temperature: 260°C .

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

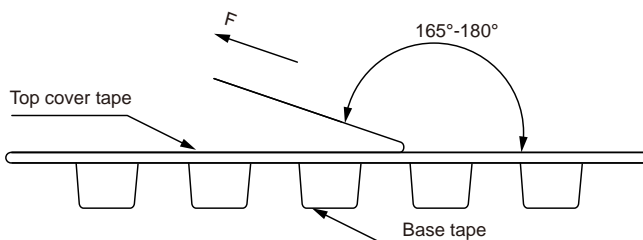
## Packaging Information:

### 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:

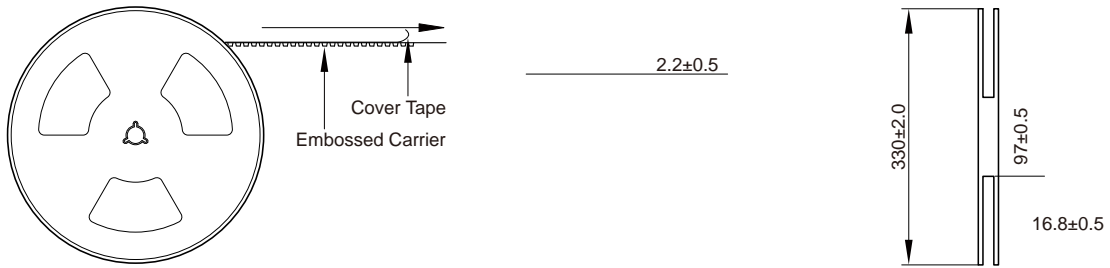


The peel force of top cover tape shall be between 0.1 to 1.3 N

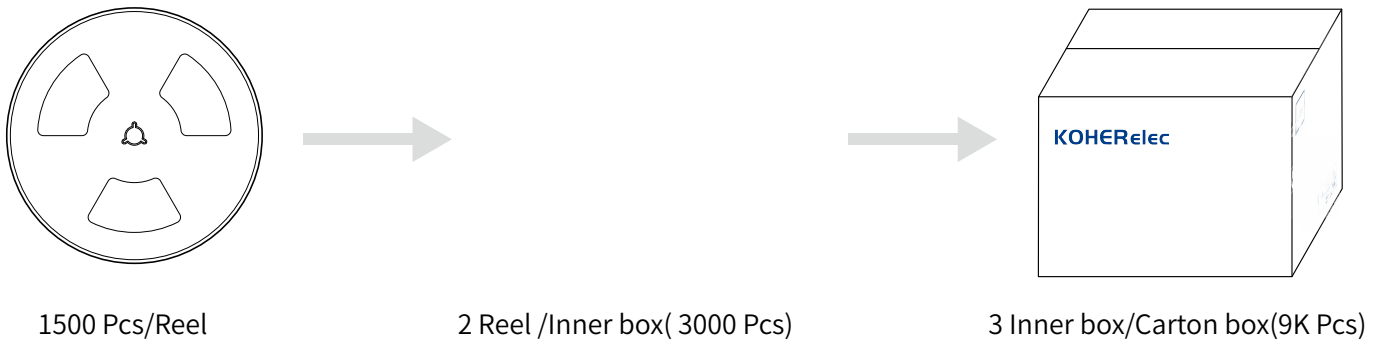
### Product Marking:

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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