

MDTA Series

Flat Wire Molded Inductor

Size 1513



FEATURES

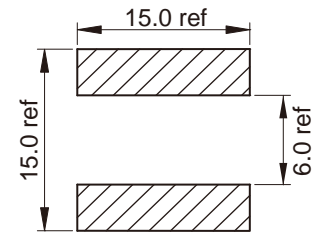
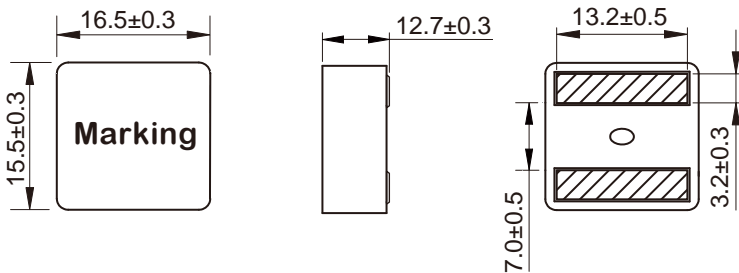
- Flat wire coil for low copper losses
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- High current capacity
- AE
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APPLICATION

- Noise suppressor for motor wipers / power seats/
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Dimensions: [mm]

Land Pattern: [mm]

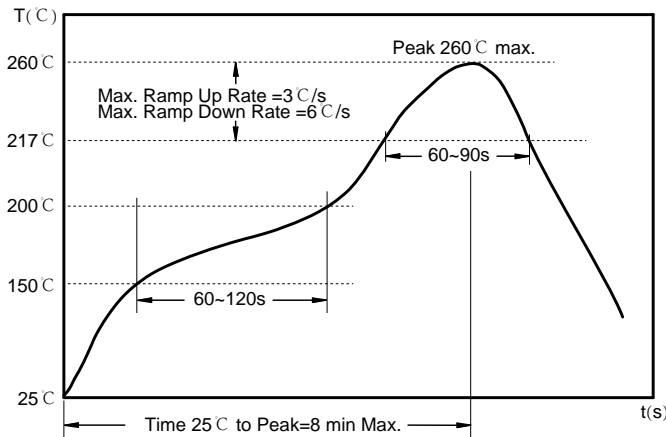


Electrical Properties:

Parameter	Value	Tolerance	Temperature	
			Min	Max
Inductance (L)		±20%		
DC Resistance (R _{DC})		±20%		
AC Resistance (R _{AC})		±20%		
Quality Factor (Q)		±20%		
Temperature Rise		±20%		
Current Rating (I _{max})	22	±20%		
Temperature Rise		±20%		

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.

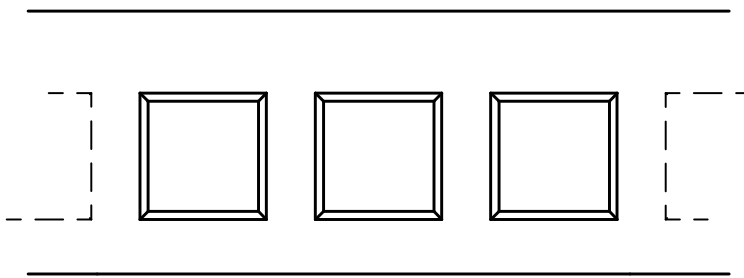
Max temperature: 260°C .

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

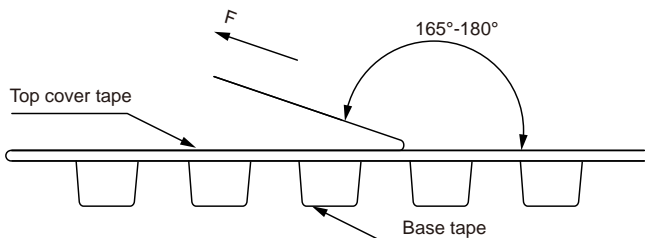
Packaging Information:

Tape Dimension :



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDTA1513	17.0± 0.1	16.0± 0.1	1.5± 0.1	4.0± 0.1	24.0± 0.1	32.0± 0.3	13.6± 0.1	1.75± 0.1	0.50± 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: