

MDTA Series

Flat Wire Molded Inductor

Size 8080

FEATURES

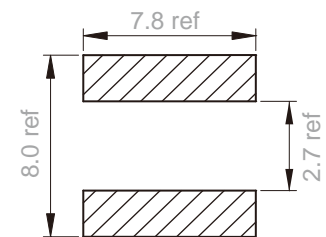
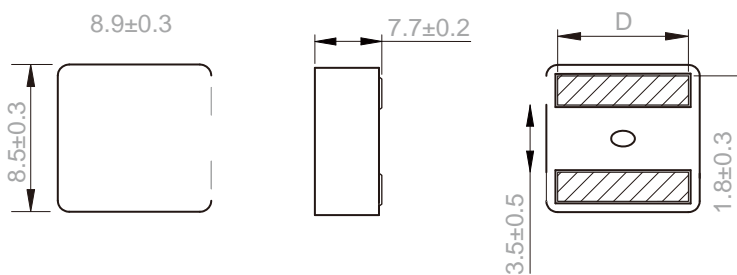
- Flat wire coil f
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APPLICATION

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Dimensions: [mm]

Land Pattern: [mm]



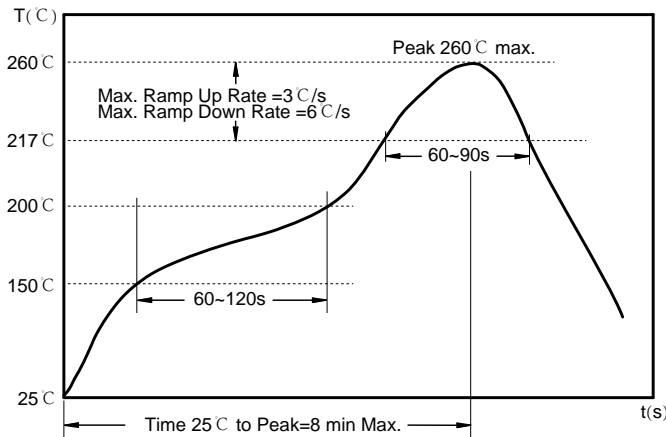
Electrical Properties:

| Part No | L@100KHz /0.1V | Tolerance | I _{SAT} Typ. | I _R | | R _{DC} Max. | D |
|---------------|----------------|-----------|-----------------------|----------------|-----------|----------------------|---------|
| | | | | 20°C rise | 40°C rise | | |
| MDTA8080-1R8M | 1.80 | ±20% | 28.0 | 18.0 | 24.0 | 4.0 | 7.2±0.3 |
| MDTA8080-2R2M | 2.20 | ±20% | 25.0 | 16.0 | 21.5 | 4.3 | 7.2±0.3 |
| MDTA8080-3R3M | 3.30 | ±20% | 23.0 | 13.5 | 18.0 | 7.3 | 6.9±0.3 |
| MDTA8080-4R7M | 4.70 | ±20% | 19.0 | 10.5 | 14.6 | 9.8 | 6.9±0.3 |
| MDTA8080-6R8M | 6.80 | ±20% | 14.5 | 8.0 | 11.3 | 14.3 | 6.9±0.3 |
| MDTA8080-100M | 10.0 | ±20% | 11.0 | 6.6 | 8.7 | 22.9 | 6.9±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.

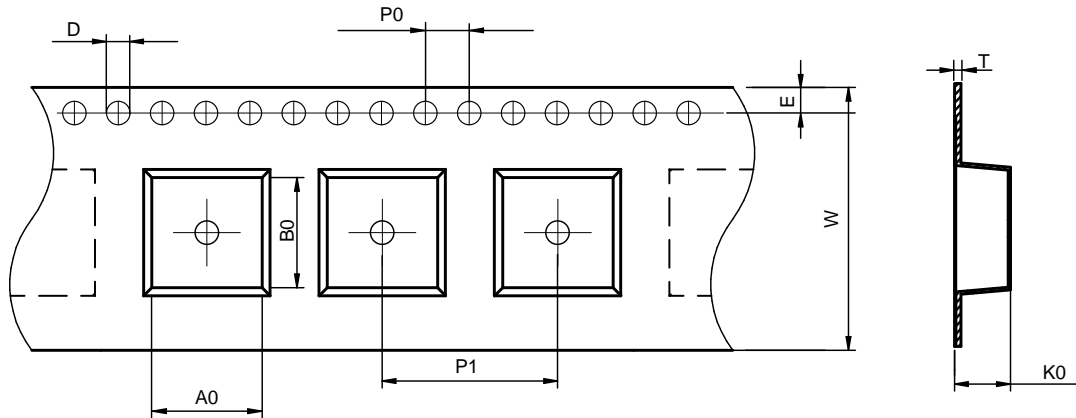
Max temperature: 260°C .

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

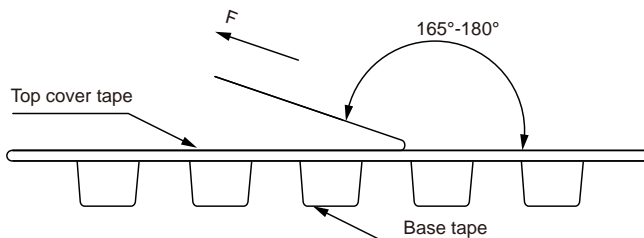
Packaging Information:

Tape Dimension :



| Series | A0 (mm) | B0 (mm) | D (mm) | P0 (mm) | P1 (mm) | W (mm) | K0 (mm) | E (mm) | T (mm) |
|----------|----------|----------|----------|----------|-----------|-----------|----------|-----------|------------|
| MDTA8080 | 9.4± 0.1 | 8.9± 0.1 | 1.5± 0.1 | 4.0± 0.1 | 16.0± 0.1 | 24.0± 0.3 | 8.5± 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) |
|---------|----------------------|

Reel Dimension: [mm]



Packaging Quantity: