

DMMA Series

Molded Inductor

Size 7078



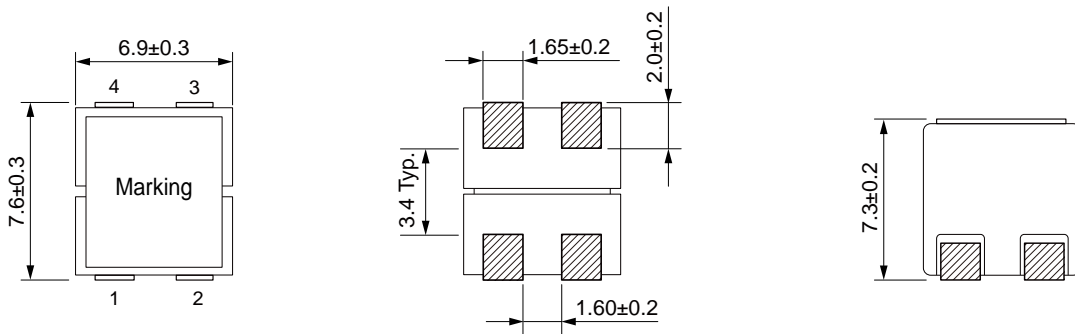
FEATURES

- Low loss realized with low DCR.
- High performance realized by metal dust core.
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- 100% Lead(Pb)-Free and RoHS compliant.
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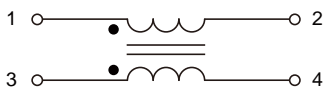
APPLICATION

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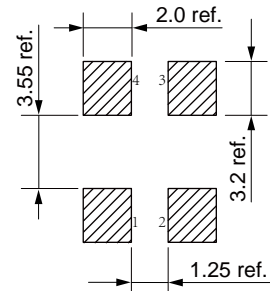
Dimensions: [mm]



Schematic:



Land Pattern: [mm]



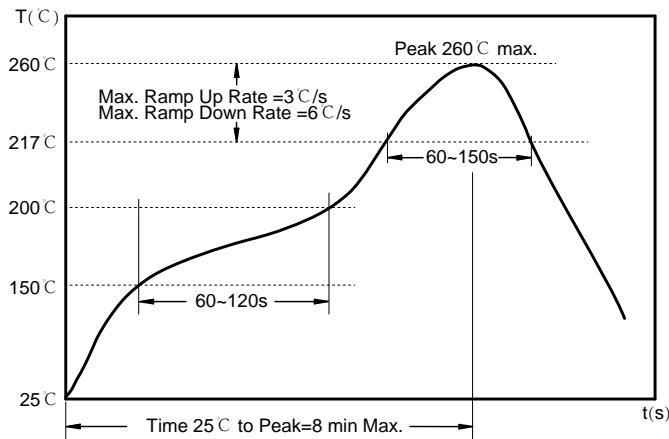
Electrical Properties:

Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Saturation Current Typ. (A)	Saturation Current Max. (A)	DC Resistance Max. (mΩ)
	1.0	±20%			19.3		
	3.3	±20%			13.0	11.1	19.2
	10.0	±20%		3.2			49.0
		±20%	2.7	2.4			90.0
	22.0	±20%	2.2	2.0	4.3	3.7	134

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°C / 60~120 sec.

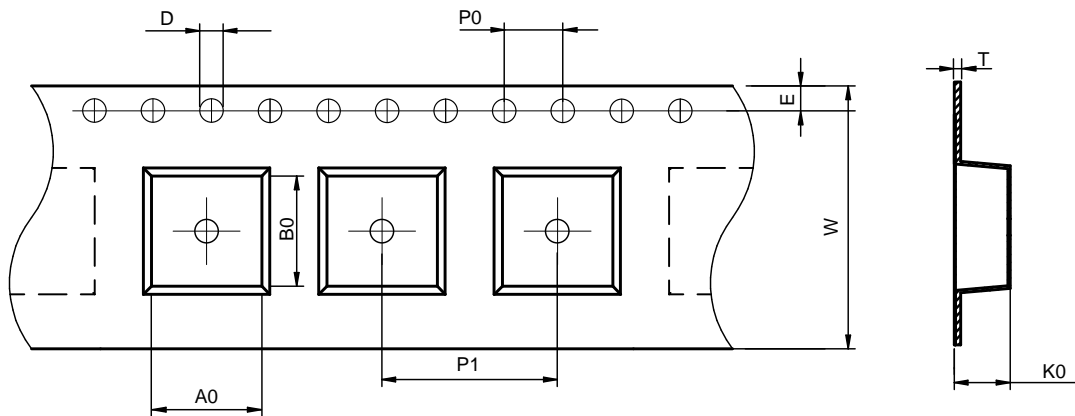
Allowed time above 217°C: 60~150 sec.

Max temperature: 260°C.

Allowed Reflow time: 2x max.

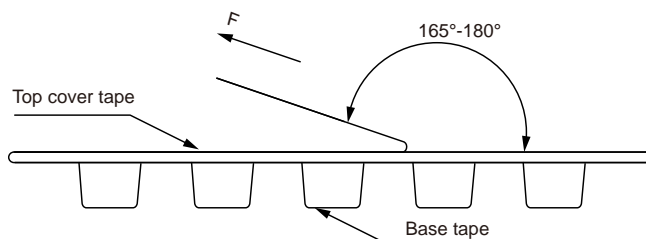
Packaging Information:

Tape Dimension:



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
DMMA7078	9.0±0.1	8.3±0.1	1.50±0.1	4.0±0.1	12.0±0.1	16.0±0.3	7.8±0.1	1.75±0.1	0.5 typ

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+period)
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Reel Dimension: [mm]



Packaging Quantity: