MDSA Series

SMD Low Profile High Current Molded Inductor

Size 7030



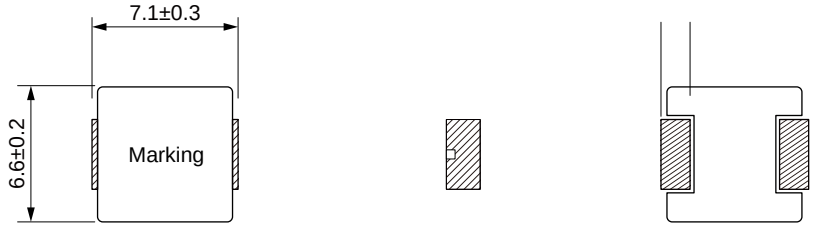
FEATURES

-
-
-
-
-
-
-
-
-

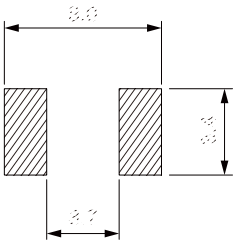
APPLICATION

-
-
-

Dimensions: [mm]



Land Pattern: [mm]



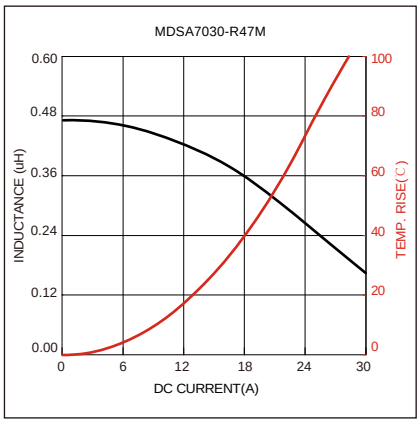
Electrical Properties:

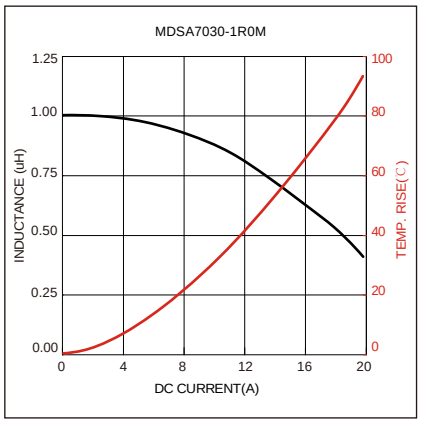
Electrical Properties:

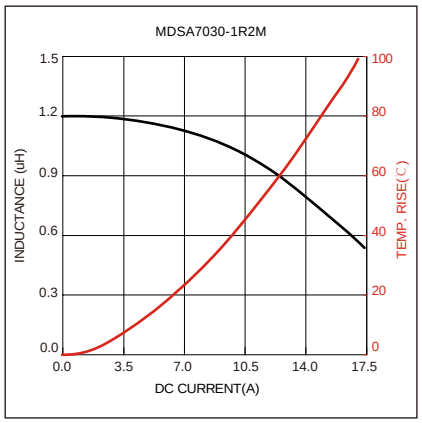
Part No	Inductance @100KHz/1V	Tolerance	Temperature Rise Current Typ.	Temperature Rise Current Max.	Current Typ.	Current Max.	DC Resistance Typ.	DC Resistance Max.

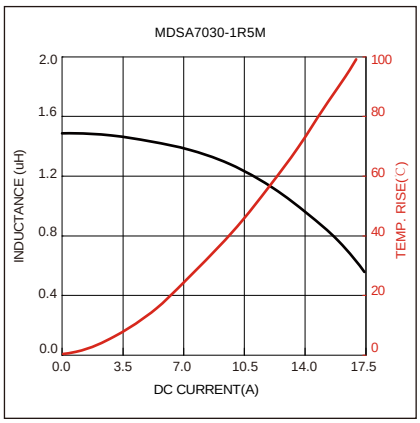
Saturation Current will cause L to drop approximately 30%
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

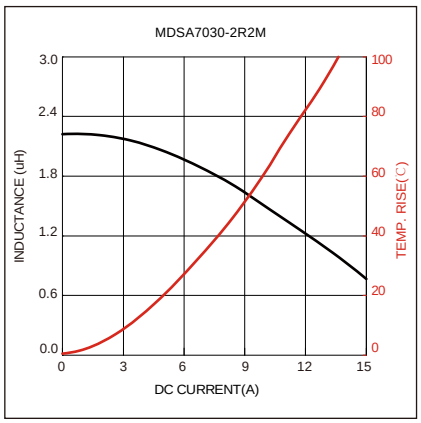
Typical Electrical Characteristics:

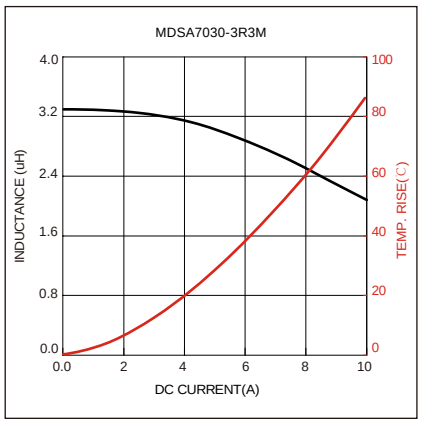


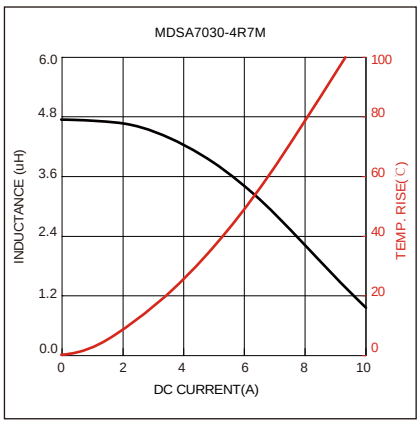


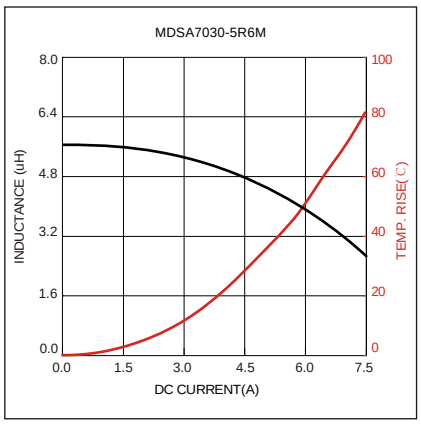


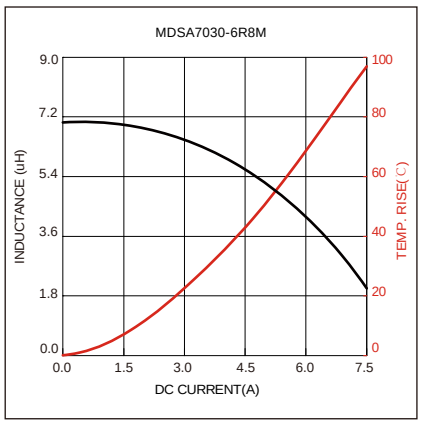




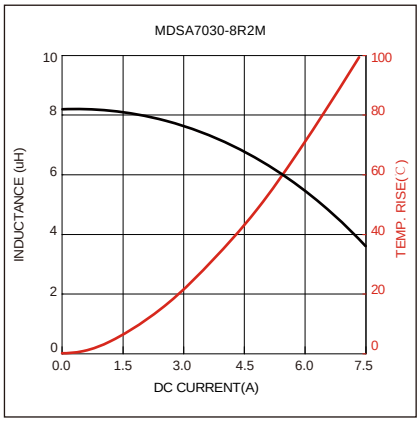


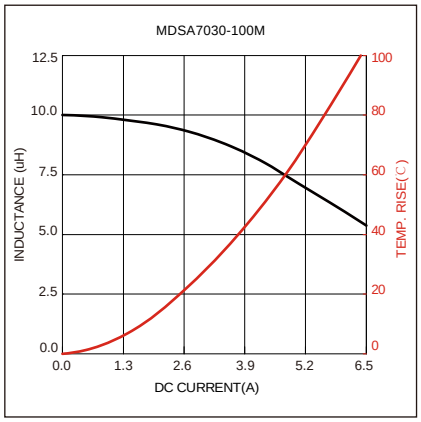


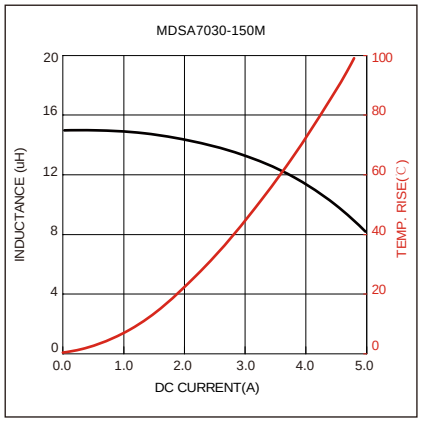


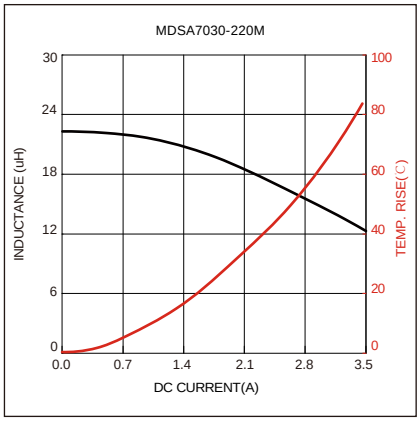


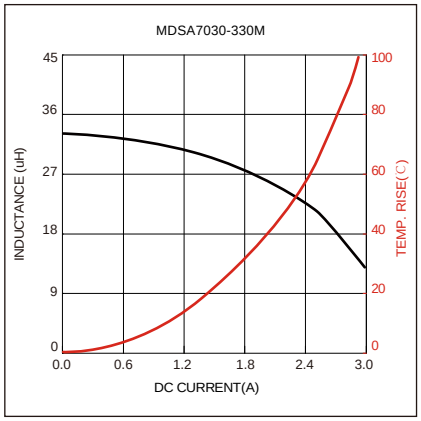
Typical Electrical Characteristics:

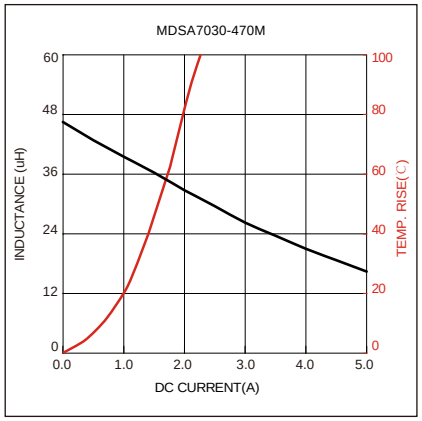




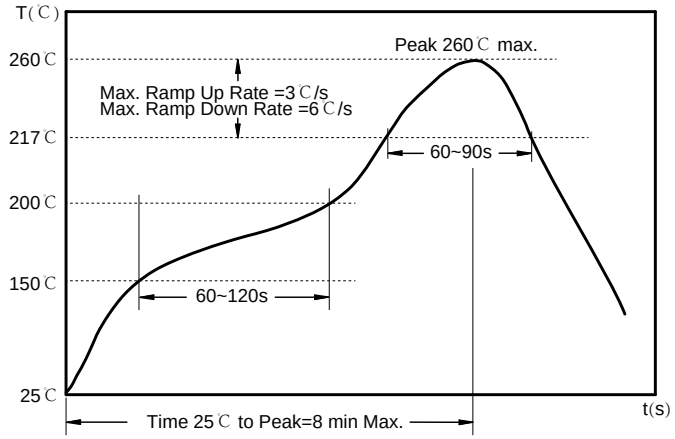








Soldering Reflow:



Preheat condition: 150 ~200℃/ 60~120 sec.

Allowed time above 217℃: 60~90 sec.

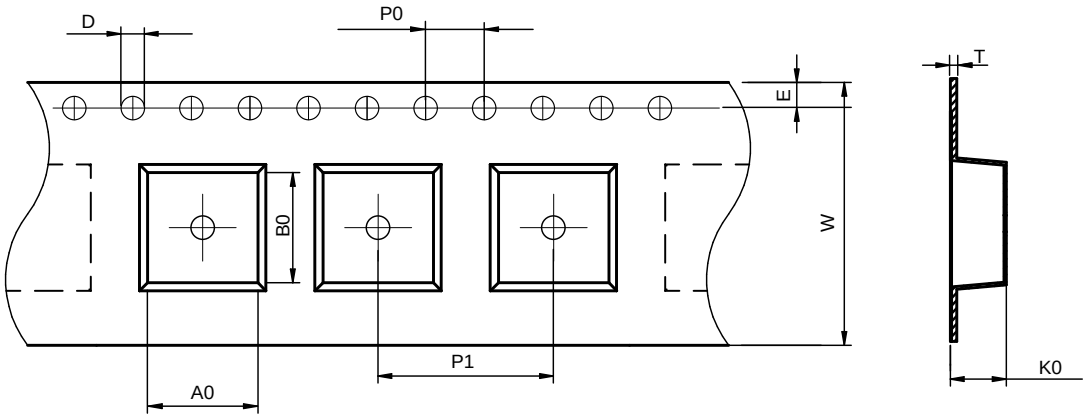
Max temperature: 260℃.

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

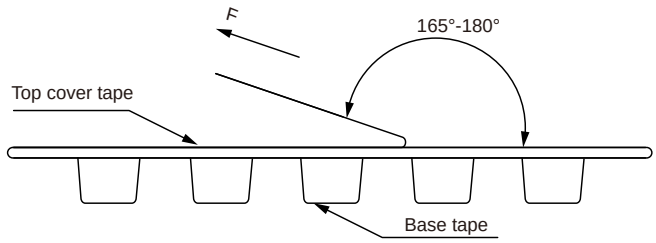
Packaging Information:

Tape Dimension:



A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
7.0±0.3	7.7±0.3	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 e etween 0.1 to 1.3 N

Product Marking:

Marking	K+Printing (Inductance+period)