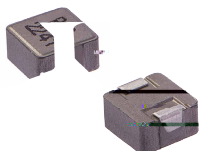
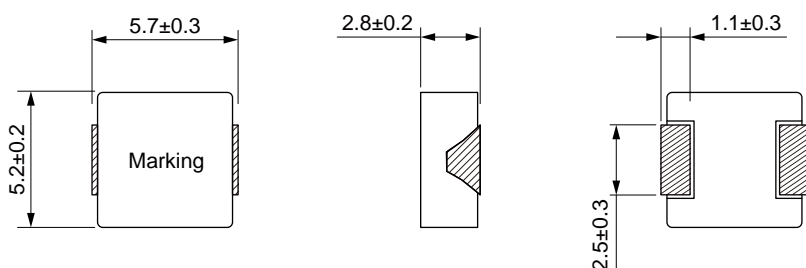


SMD Low Profile High Current Molded Inductor Size 5030

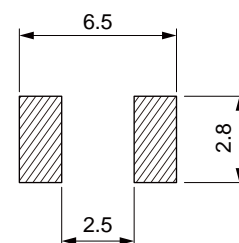


-
- Capable of corresponding high frequency .
- Low loss realized with low DCR.
- High performance (Isat) realized by metal dust core.
-
- 100% Lead(Pb)-Free and RoHS compliant.
-
-
-
-
- HVAC
-
- Audio subsystem
- Digital instrument cluster
-

Dimensions: [mm]



Land Pattern: [mm]



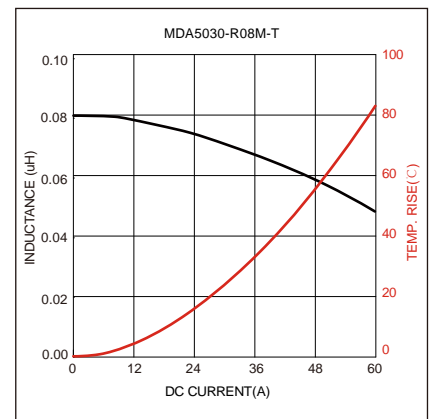
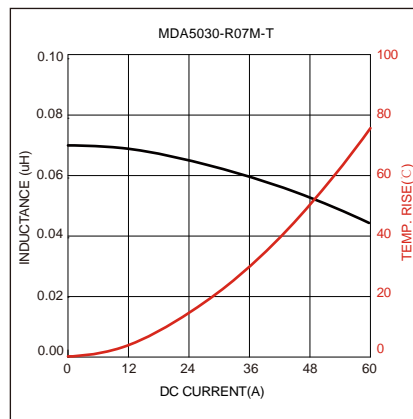
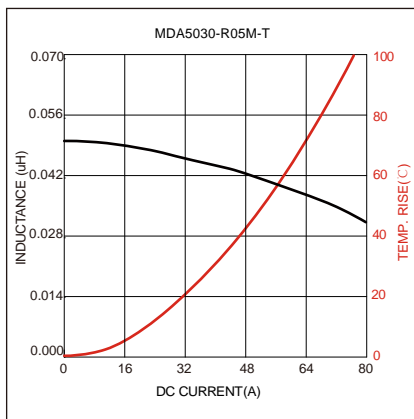
Electrical Properties:

	(μH)				Saturation	Saturation	($\text{m}\Omega$)	($\text{m}\Omega$)
MDA5030-R05M-T	0.05	$\pm 20\%$	46	42	68	62	0.57	0.63
MDA5030-R07M-T	0.07	$\pm 20\%$	42	38	52	46	0.64	0.71
MDA5030-R08M-T	0.08	$\pm 20\%$	40	36	50	45	0.74	0.85

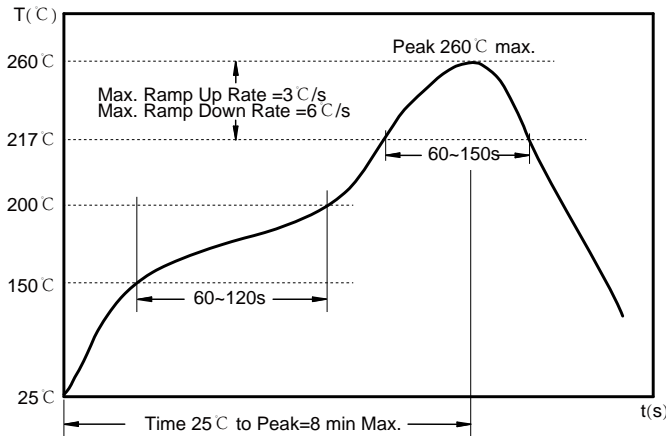
Saturation Current will cause L to drop approximately 30%

Temperature Rise Current: The actual value of DC current when the temperature rise is $\Delta T=40^\circ\text{C}$

Typical Electrical Characteristics:



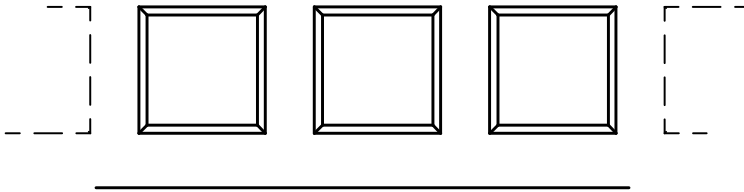
Soldering Reflow:



Preheat condition: 150 ~200°C / 60~120 sec.
 Allowed time above 217°C : 60~150 sec.
 Max temperature: 260°C .
 Max time at max temperature: 10 sec.
 Allowed Reflow time: 2x max.

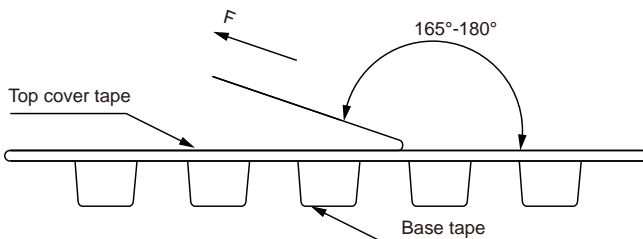
Packaging Information:

Tape Dimension :



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDA5030-T	5.5± 0.1	6.2± 0.1	1.5± 0.1	4.0± 0.1	8.0± 0.1	12.0± 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+period)
---------	-----------------------------

Reel Dimension: [mm]



Packaging Quantity: