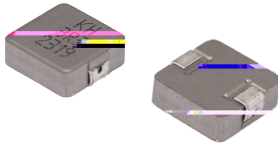


MDSA Series

SMD Low Profile High Current Molded Inductor

Size 1040



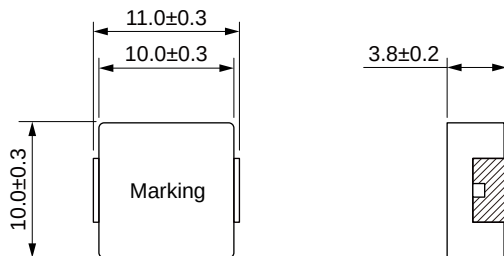
FEATURES

- 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.
-
-
-

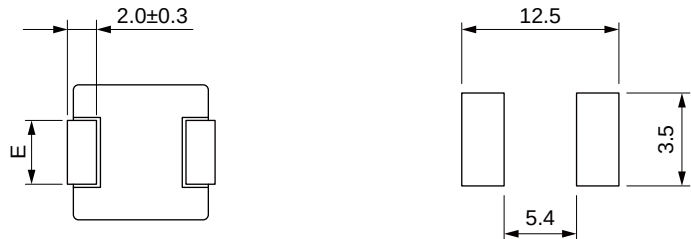
APPLICATION

-
-
-

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

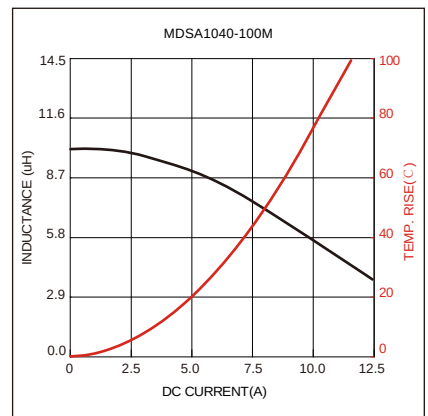
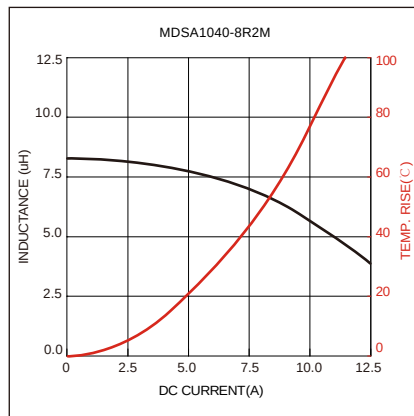
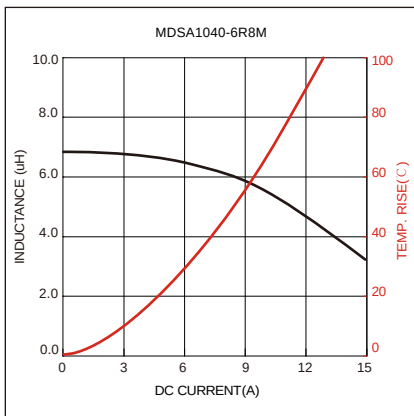
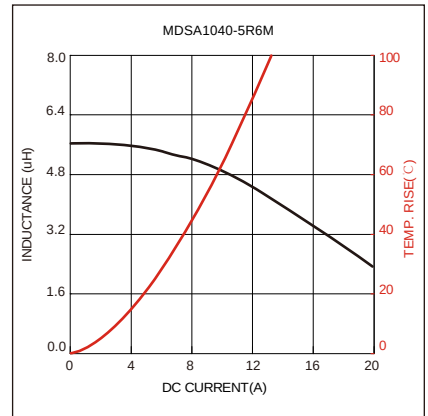
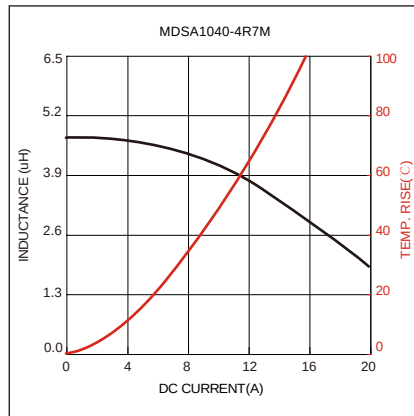
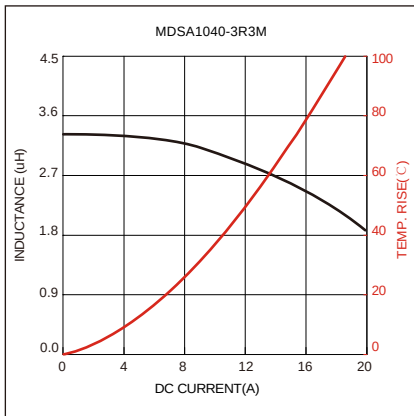
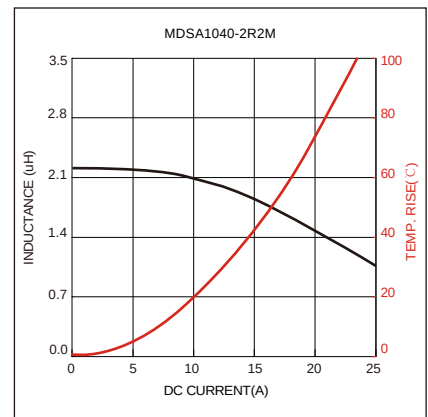
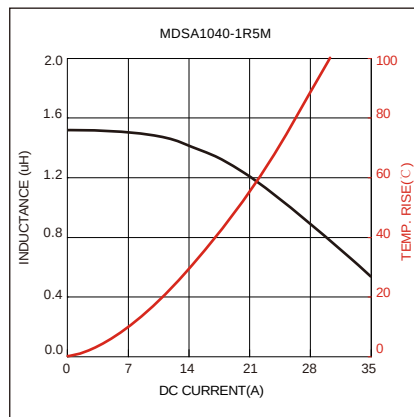
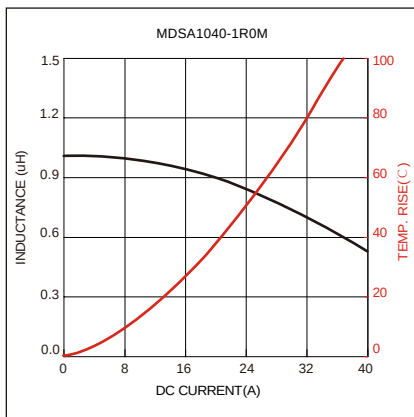
MDSA1040-1R0M	1.00	±20%	19.0	28.0	3.00		
		±20%	16.8		3.80	4.40	
MDSA1040-2R2M	2.20	±20%	14.4	19.2		7.00	3.0±0.3
MDSA1040-3R3M	3.30	±20%		16.8	10.7	12.0	3.0±0.3
MDSA1040-4R7M	4.70	±20%	8.40	14.6	16.0		3.0±0.3
		±20%	7.60		19.2	23.3	3.0±0.3
MDSA1040-6R8M	6.80	±20%	7.40	11.7	22.2		3.0±0.3
MDSA1040-8R2M	8.20	±20%	7.20	9.00		29.0	3.0±0.3
MDSA1040-100M	10.0	±20%	7.20	8.20		31.0	3.0±0.3
		±20%		6.70	42.0	46.0	3.0±0.3

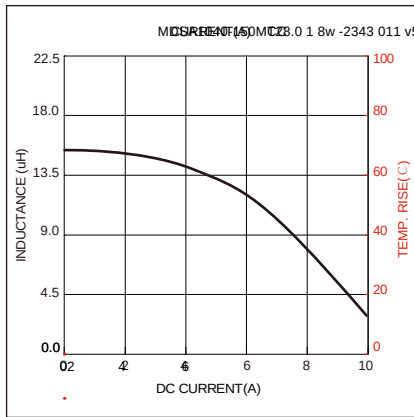
MDSA1040-220M	22.0	±20%	4.70			67.0	3.0±0.3
MDSA1040-330M	33.0	±20%	4.20			92.0	3.0±0.3
MDSA1040-470M	47.0	±20%	3.30	4.70	126	144	3.0±0.3
MDSA1040-680M	68.0	±20%	2.40	3.10	193	212	3.0±0.3

Saturation Current will cause L to drop approximately 30%

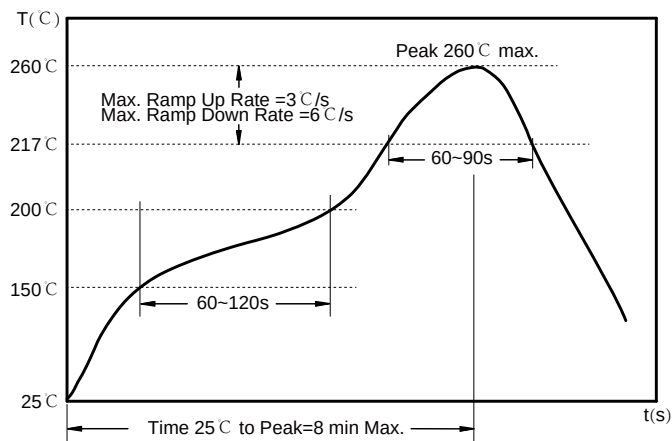
Temperature Rise Current: The actual value of DC current when the temperature rise is $\Delta T=40^{\circ}\text{C}$

Typical Electrical Characteristics:





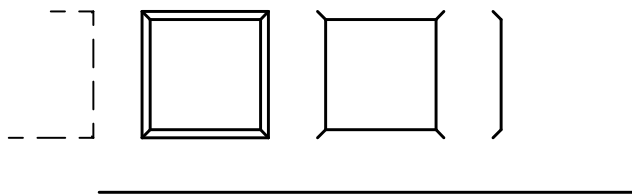
Soldering Reflow:



Preheat condition: 150 ~200 °C / 60~120 sec.
Allowed time above 217 °C : 60~90 sec.
Max temperature: 260 °C .
Max time at max temperature: 10 sec.
Allowed Reflow time: 2x max.

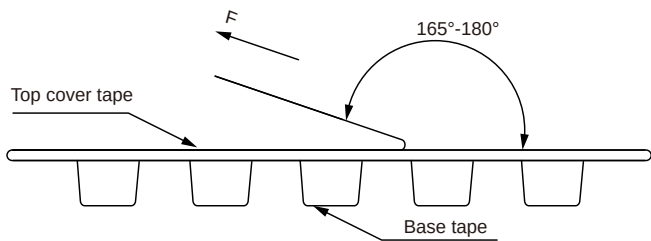
Packaging Information:

Tape Dimension:



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
KBQ?/.2.	/.,2@.,/	//,4@.,/	/,3@.,/	2,.,@.,/	/4,.,@.,/	02,.,@.,1	2,1@.,/	/,53@.,/	.,13@.,.3

Peel force of top cover tape:

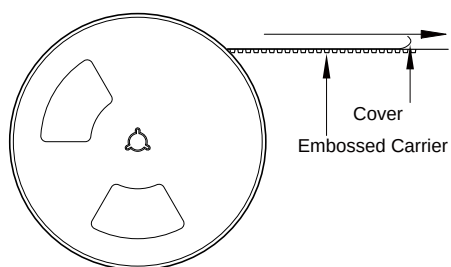


R f c nccj dmpac md rmn amtcp r_nc qf _jj `c `crucc l .,/ rm /,1 L

Product Marking:

K_pigle	IF)NpgIrgIe Glbsar_lac'
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Reel Dimension: [mm]



Cover
Embossed Carrier

Packaging Quantity: