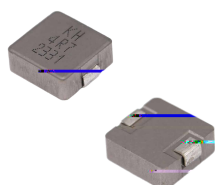
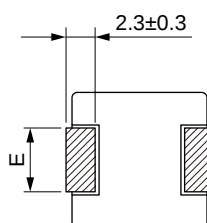
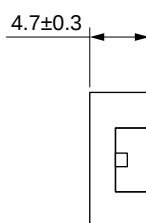
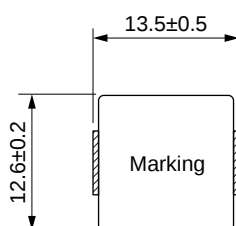


SMD Low Profile High Current Molded Inductor Size 1350

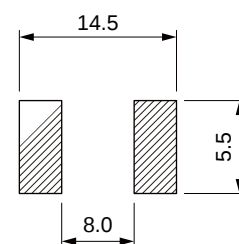


- Shielded construction
 - Capable of corresponding high frequency .
 - Low loss realized with low DCR.
 - High performance (Isat) realized by metal dust core.
 - Ultra low buzz noise, due to composite construction.
 - 100% Lead(Pb)-Free and RoHS compliant.
 - AEC-Q200 qualified
 - Operating temperature: -55 to +155 °C(including self-temperature rise)
 - Quantity: 500PCS
-
- Noise filter for various drive circuitry requiring high temp. operation and peak current handling capability.
 - Boost-Converter
 - Buck-Converter DC/DC

Dimensions: [mm]



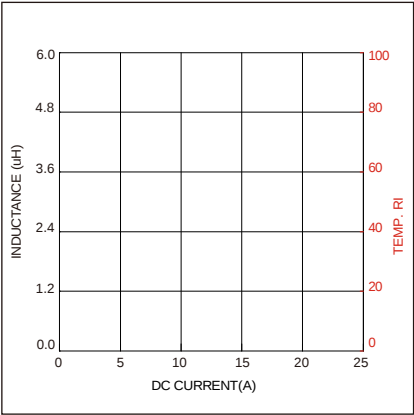
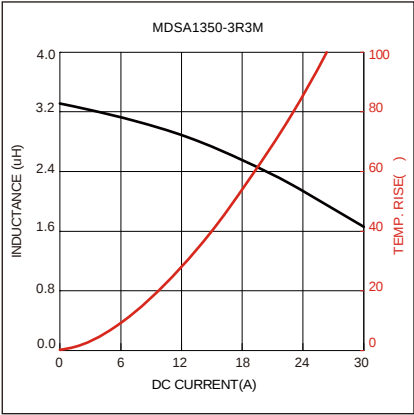
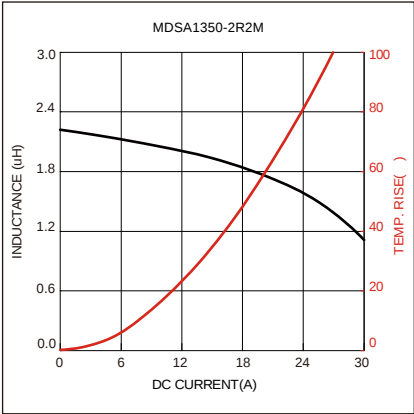
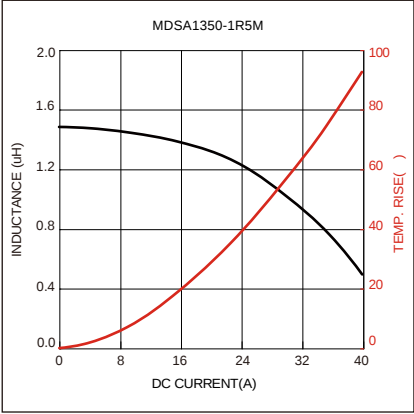
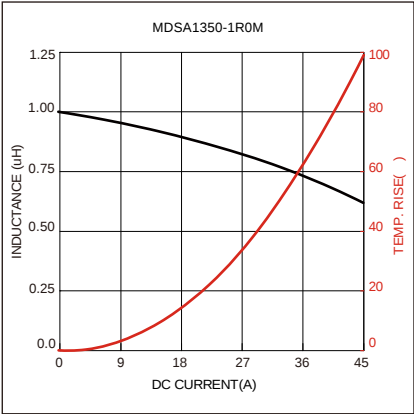
Land Pattern: [mm]



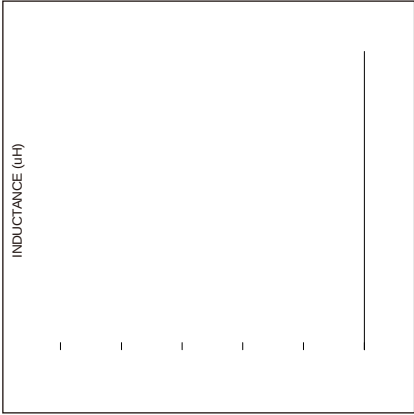
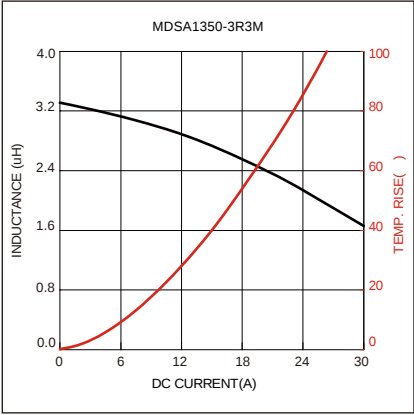
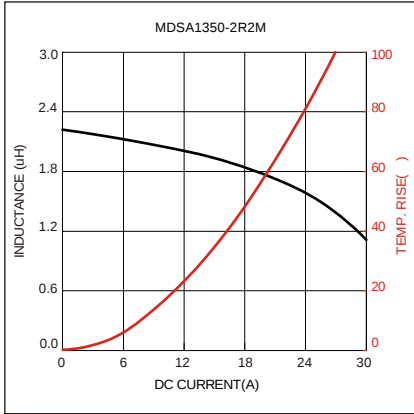
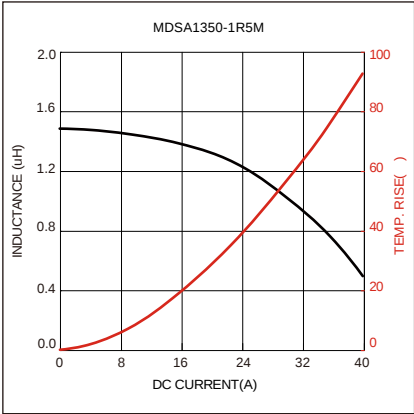
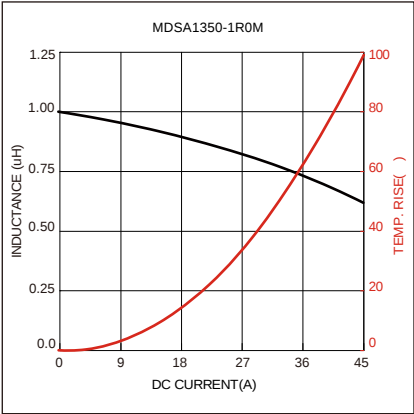
Electrical Properties:

	(μH)			Saturation	(mΩ)	(mΩ)	
MDSA1350-R22M	0.22	±20%	54.7	64.8	0.50	0.62	4.0±0.3
MDSA1350-R47M	0.47	±20%	38.0	64.8	0.78	0.91	4.0±0.3
MDSA1350-R68M	0.68	±20%	33.8	50.0	1.33	1.58	4.0±0.3
MDSA1350-1R0M	1.00	±20%	29.9	39.8	1.61	1.91	4.0±0.3
MDSA1350-1R5M	1.50	±20%	24.9	30.7	3.22	3.83	4.7±0.3
MDSA1350-2R2M	2.20	±20%	17.0	25.9	4.10	4.82	4.7±0.3
MDSA1350-3R3M	3.30	±20%	15.4	22.8	6.03	7.00	4.7±0.3
MDSA1350-4R7M	4.70	±20%	13.8	18.4	8.82	10.2	4.7±0.3
MDSA1350-6R8M	6.80	±20%	11.7	16.3	13.0	16.0	4.7±0.3
MDSA1350-100M	10.0	±20%	10.0	12.8	19.2	22.2	4.7±0.3
MDSA1350-150M	15.0	±20%	9.38	10.8	30.1	36.3	4.7±0.3

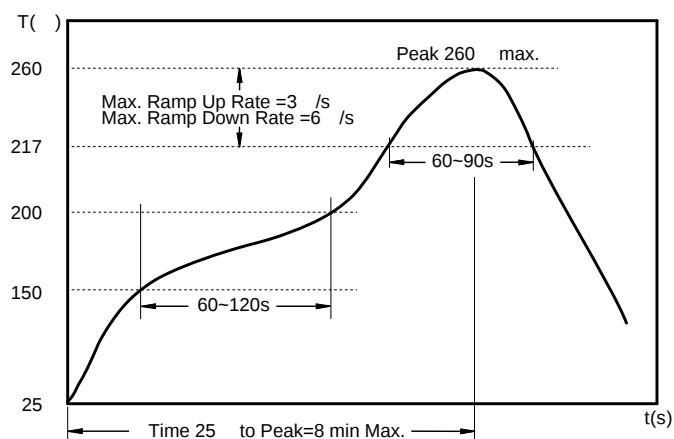
Typical Electrical Characteristics:



Typical Electrical Characteristics:



Soldering Reflow:



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

Allowed time above 217 : 60~90 sec.

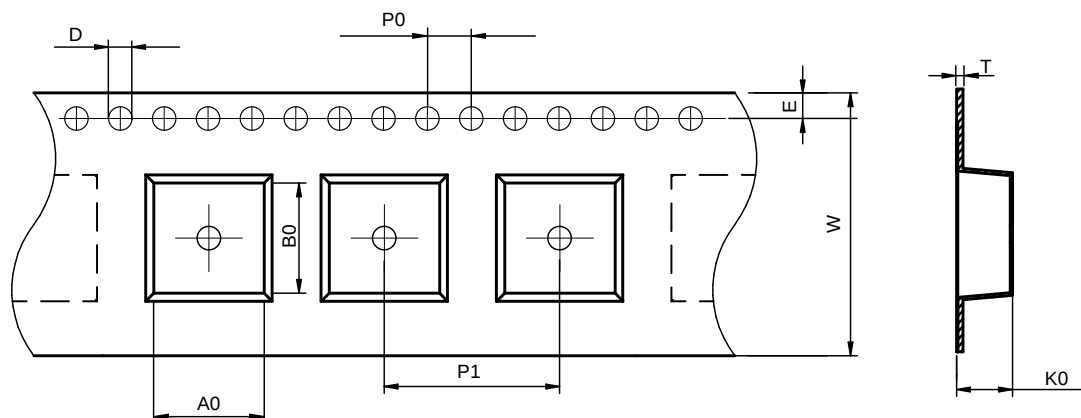
Max temperature: 260 .

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

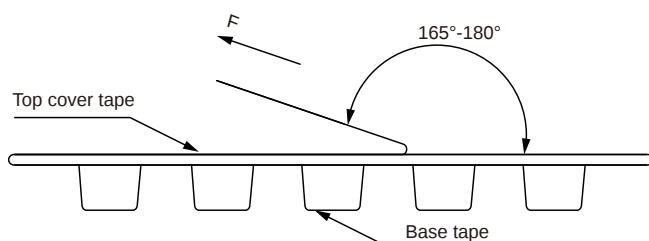
Packaging Information:

Tape Dimension :



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDSA1350	13.1 ± 0.1	14.0 ± 0.1	1.5 ± 0.1	4.0 ± 0.1	16.0 ± 0.1	24.0 ± 0.3	5.4 ± 0.1	1.75 ± 0.1	0.50 ± 0.05

Peel force of top cover tape:

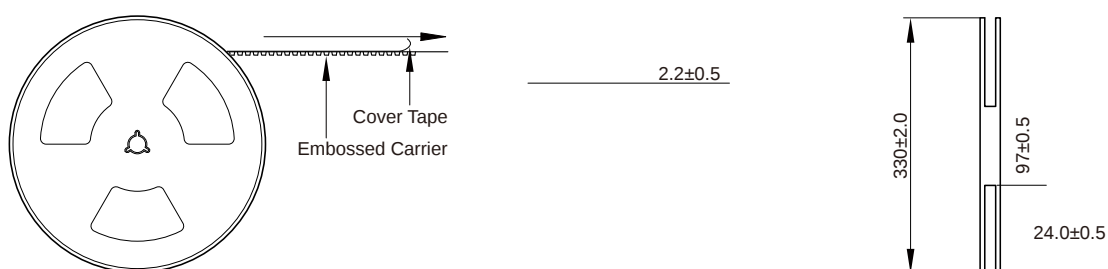


The peel force of top cover tape shall be between 0.1 to 1.3 N

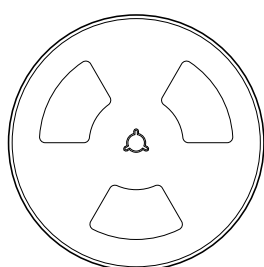
Product Marking:

Marking	KH+Printing Inductance+period)
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Reel Dimension : [mm]



Packaging Quantity:



500 Pcs/Reel



2 Reel /Inner box(1000 Pcs)



2 Inner box/Carton box(2K Pcs)

Cautions and Warnings:

Storage Conditions :

Operation Instructions: