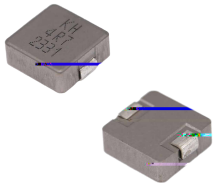


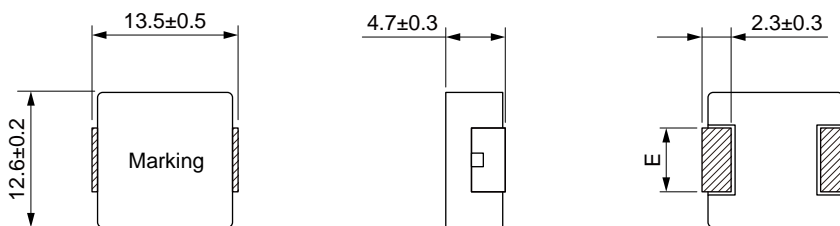
SMD Low Profile High Current Molded Inductor Size 1350



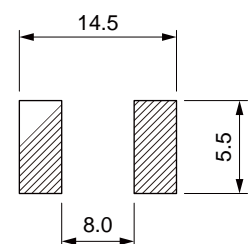
Shielded construction
 Capable of corresponding high frequency .
 Low loss realized with low DCR.
 High performance (Isat) realized by metal dust core.
 Ultra low buzz noise, due to composite construction.
 100% Lead(Pb)-Free and RoHS compliant.
 AEC-Q200 qualified
 Operating temperature: -55 to +155 °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]



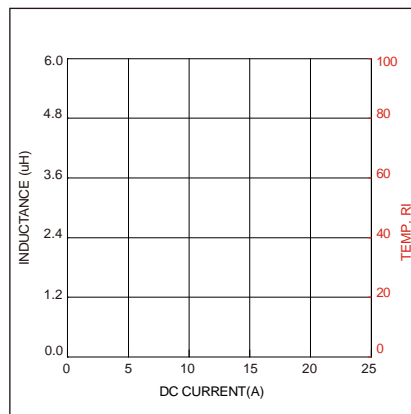
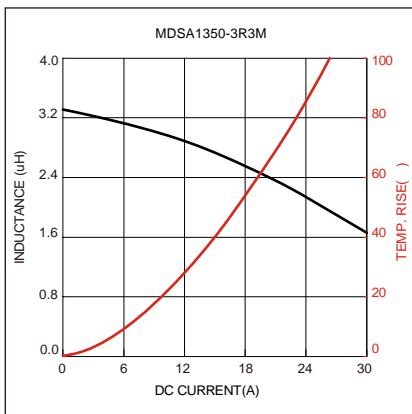
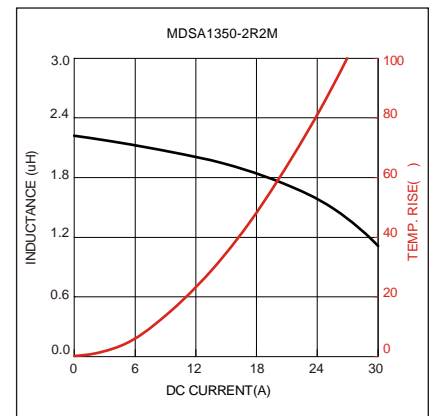
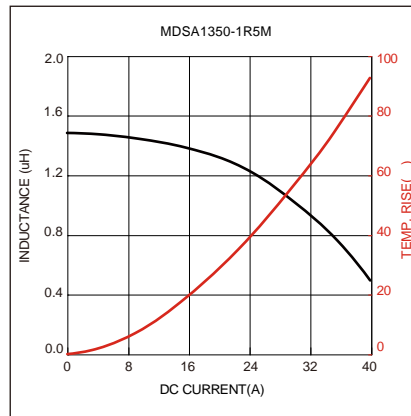
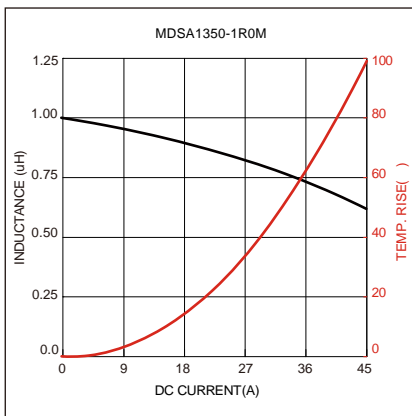
Land Pattern: [mm]



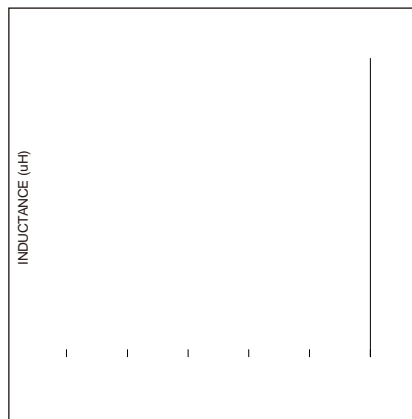
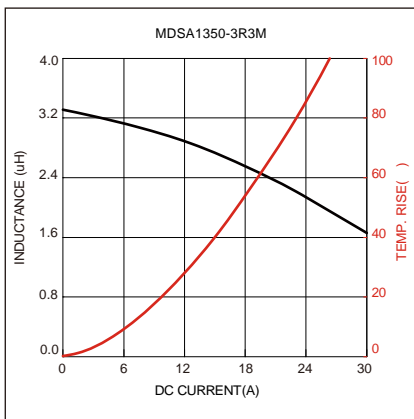
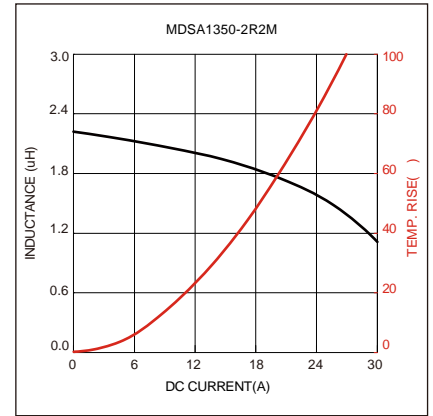
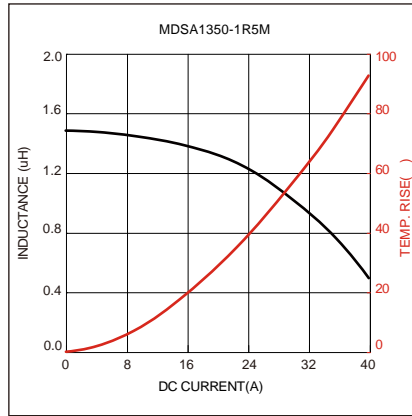
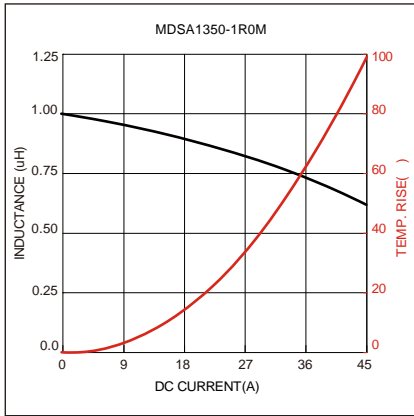
Electrical Properties:

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

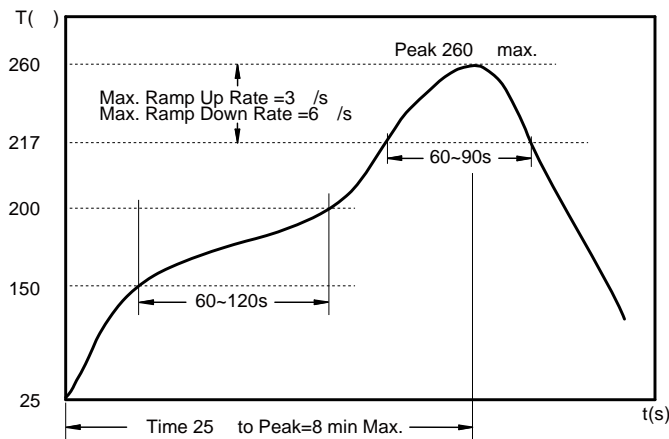
Typical Electrical Characteristics:



Typical Electrical Characteristics:



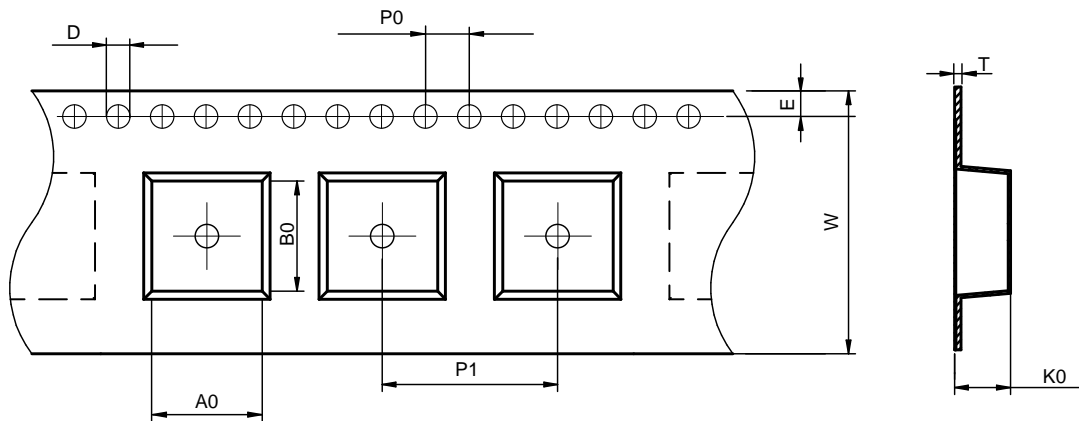
Soldering Reflow:



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.

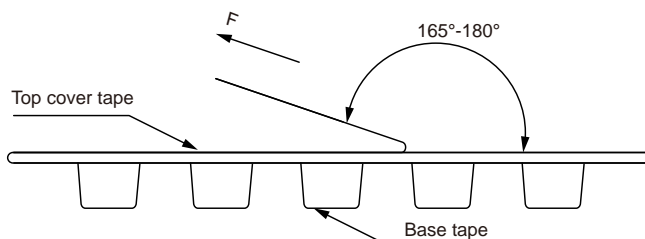
Packaging Information:

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:

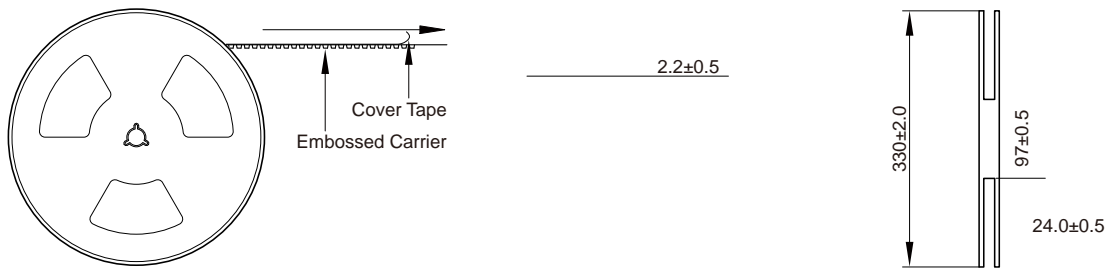


The peel force of top cover tape shall be between 0.1 to 1.3 N

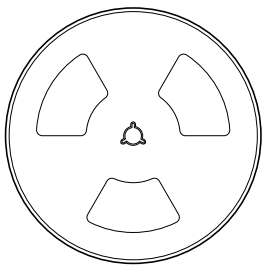
Product Marking:

Marking	KH+Printing Inductance+period)
---------	--------------------------------

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: