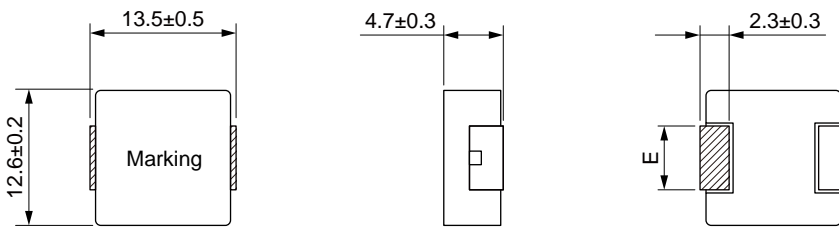


# SMD Low Profile High Current Molded Inductor Size 1350

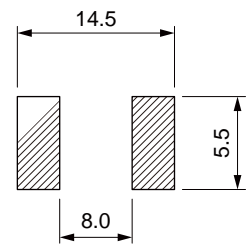
Shielded construction  
 Capable of corresponding high frequency .  
 Low loss realized with low DCR.  
 High performance (Isat) realized by metal dust core.  
 Ultra low buzz noise, due to composite construction.  
 100% Lead(Pb)-Free and RoHS compliant.  
 AEC-Q200 qualified  
 Operating temperature: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



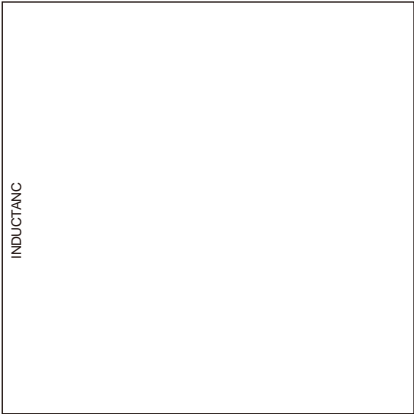
## Land Pattern: [mm]



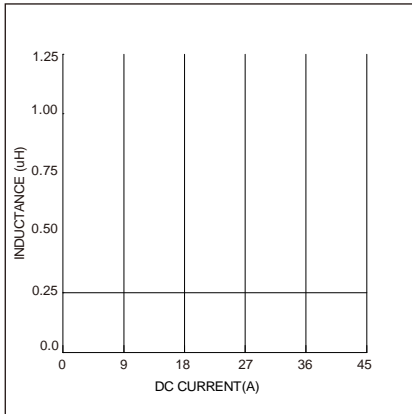
## Electrical Properties:

Part Number	DCR [mΩ]	DCR Tolerance	Inductance [μH]	Inductance [mH]	DCR [mΩ]	Inductance [μH]	Inductance [mH]	Lead Length [mm]
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:

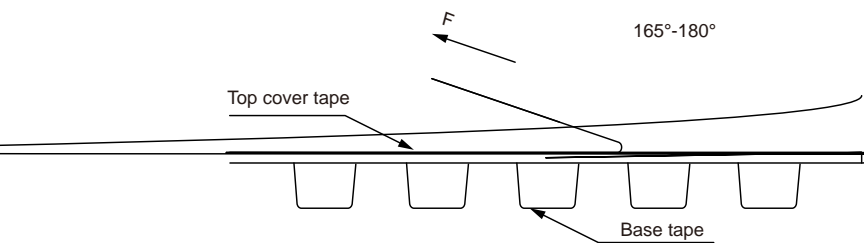


Soldering Reflow:

Packaging Information:

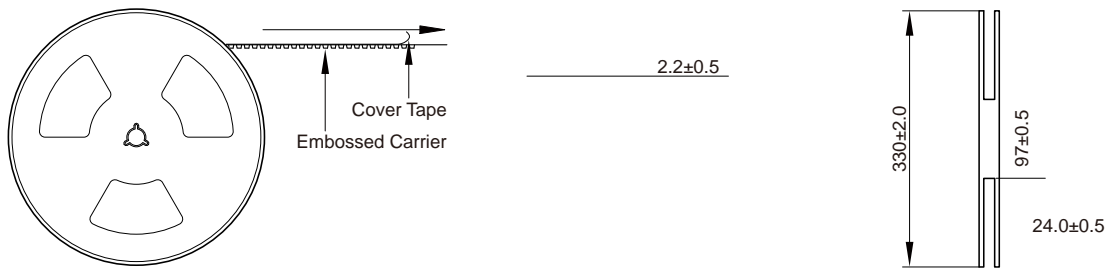
Tape Dimension :

Peel force of top cover tape:

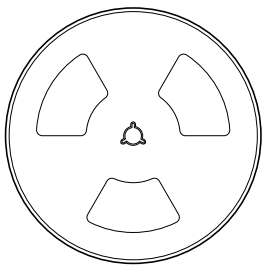


FZWbVWXdJMaXfab UahWdSbWeZS^TWi VW " # fa #2%@

Reel Dimension : [mm]



Packaging Quantity:



BUe! DVM

\$ DVM!;` W!Taj/#" " BUefi

\$;` W!Taj!5Scfa` Taj/\$= BUefi

Cautions and Warnings:

Storage Conditions :

Operation Instructions: Oper60 71 0 0 0 m-3.90q 1-24c-01Q01m0 7640005 06.8043.617640005 06.809