

# Data Sheet



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**ICE Components, Inc.**

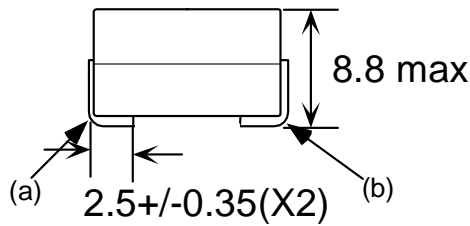
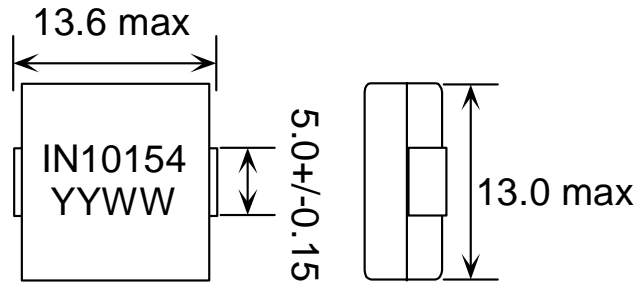
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## Mechanical Drawing



unit:mm

## General Information

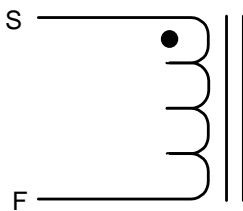
<b>Customer</b>	
<b>Part Number</b>	IN10154
<b>Revision</b>	0
<b>Description</b>	Inductor
<b>Date</b>	MAY-03-2011
<b>Reference</b>	--
<b>Doc Control #</b>	--
<b>Issue (For ICE use only)</b>	--

## Specification

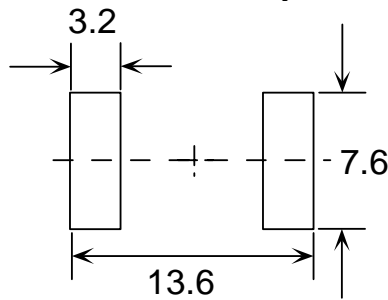
## Sample Test Data

Item	Pins	Spec	Test Condition	
Inductance @0Adc	S - F	250 nH +/- 20%	100 kHz, 1Vrms, series	
Inductance @Isat at 25degC	S - F	200 nH typ 160 nH min	100 kHz, 1Vrms, series (70Adc)	
DCR	S - F	0.17 mOhm +/- 10%	+25 deg C	
Isat at 25degC	S - F	70 Adc max		
Isat +80degC	S - F	65 Adc max		
Isat +100degC	S - F	62 Adc max		
Isat +125degC	S - F	57 Adc max		

## Schematic



## Recommended PCB Layout



unit:mm

## Remark

1. Isat is the current at which the inductance drops by 20% typ.
2. This is RoHS compliant product.
3. Operating temperature is 130degC max (Ambient + temperature rise).
4. Inductance vs. DC current is attached.
5. The nominal DCR is measured from point (a) to point (b), as shown on the mechanical drawing.

Sample approval is required before release to production. Sample specifications take precedence over customer specifications.

Customer Signature

Rev.	Description	PRD	CHK	APP	Date	NTFY
0	Initial release	Emily	Gary	L. L. Chou	2011/5/3	2011/5/3

**P/N: IN10154**

