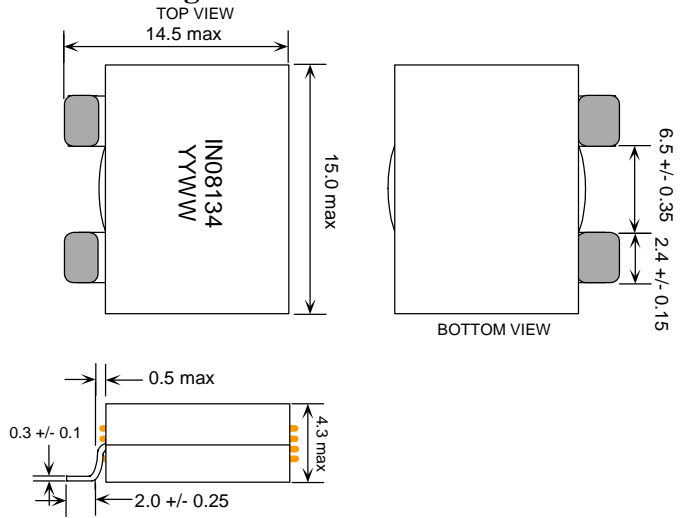


# Data Sheet



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## Mechanical Drawing



unit:mm

### General Information

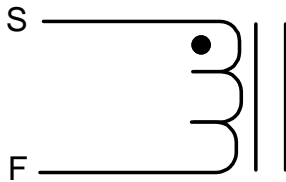
<b>Customer</b>	
<b>Part Number</b>	IN08134
<b>Revision</b>	1
<b>Description</b>	Inductor
<b>Date</b>	JUL-21-2009
<b>Reference</b>	--
<b>Doc Control #</b>	--
<b>Issue (For ICE use only)</b>	--

### Specification

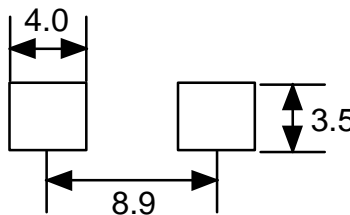
### Sample Test Data

Item	Pins	Spec	Test Condition	Sample Test Data
Inductance	S – F	1.0 uH +/- 10%	500 kHz, 1Vrms, series (0A <sub>dc</sub> )	
	S – F	0.75 uH min	500 kHz, 1Vrms, series (34A <sub>dc</sub> )	
DCR	S – F	2.9 mOhms typ. 3.5 mOhms max	25 deg C	
Isat at +25degC	S – F	34 A <sub>dc</sub> max		
Isat at +100degC	S – F	26 A <sub>dc</sub> max		
Isat at +120degC	S – F	24 A <sub>dc</sub> max		
Idc	S – F	21 A <sub>dc</sub> max		

### Schematic



### Recommend PCB Layout



unit:mm

### Remark

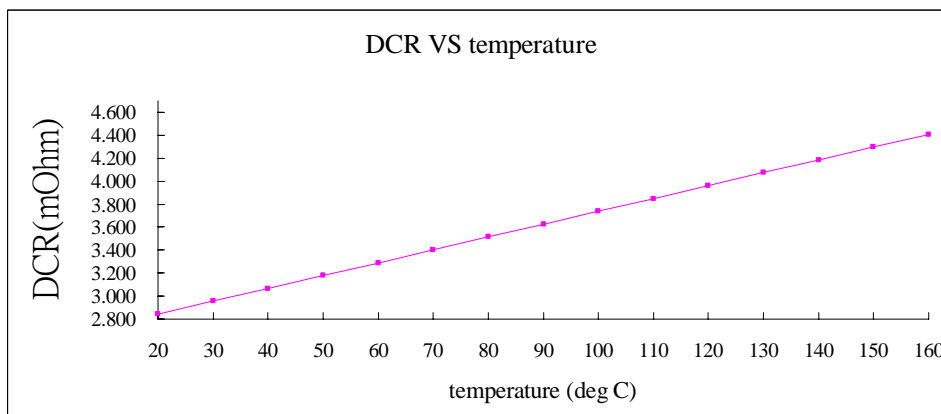
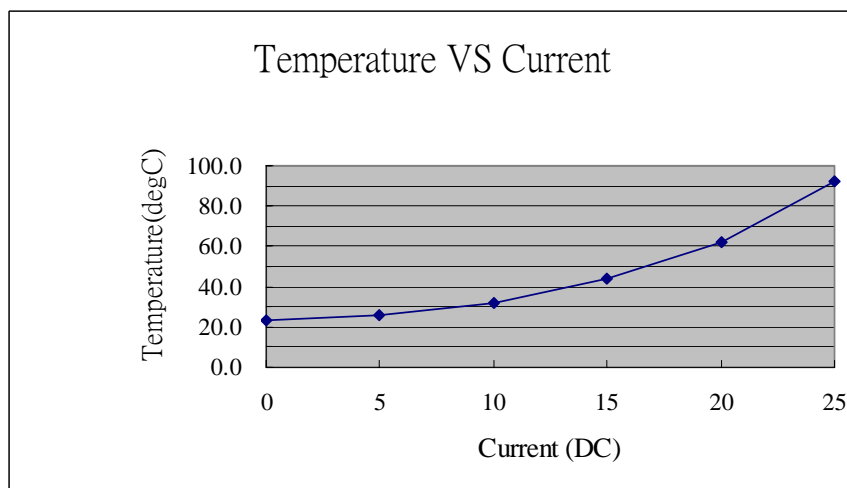
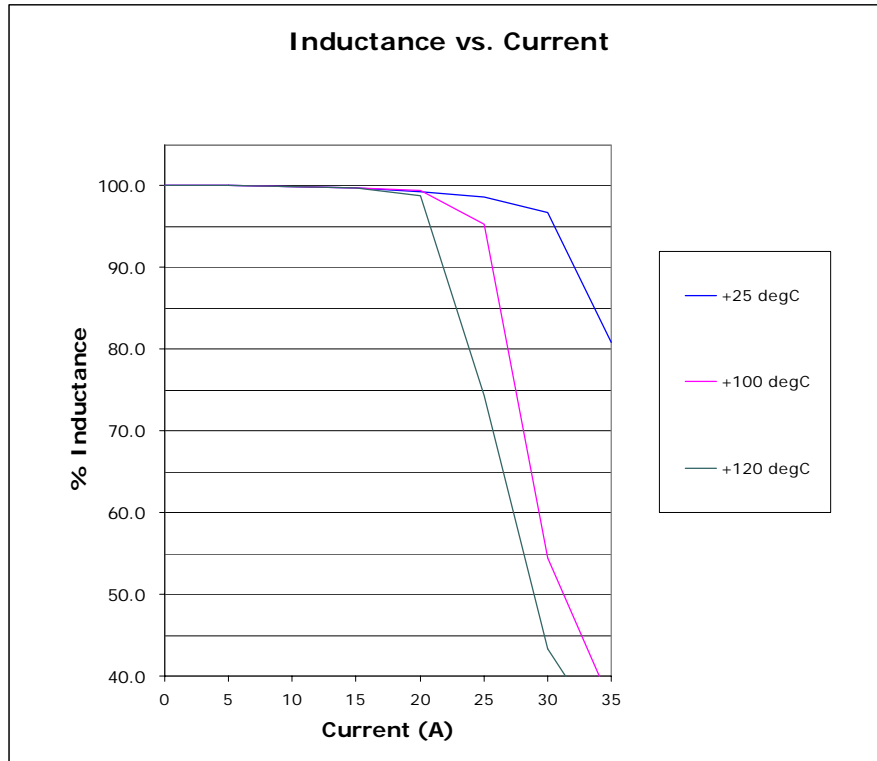
1. Isat is the current at which the inductance drops by 20% typical.
2. Idc is the current at which the temperature of the part increases by 50 deg C.
3. Meets UL94V-0
4. This is RoHS compliant product.
5. The part should come in tape & reel on mass production.
6. Lead out flatness should be within 4 mils.
7. Lead outs should be tinned all sides.
8. Operating temperature range: -40degC to +130degC.
9. Inductance vs. Current Curve, Temperature vs. Current Curve and Temperature vs. DCR as attached.

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

Customer Signature

Rev.	Description	PRD	CHK	APP	Date	NTFY
1	Initial release	Emily	Gary	L. L. Chou	2009/7/21	2009/7/21

# P/N :IN08134



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