

# Data Sheet



Helping Engineer the Technology of Power

**ICE Components, Inc.**

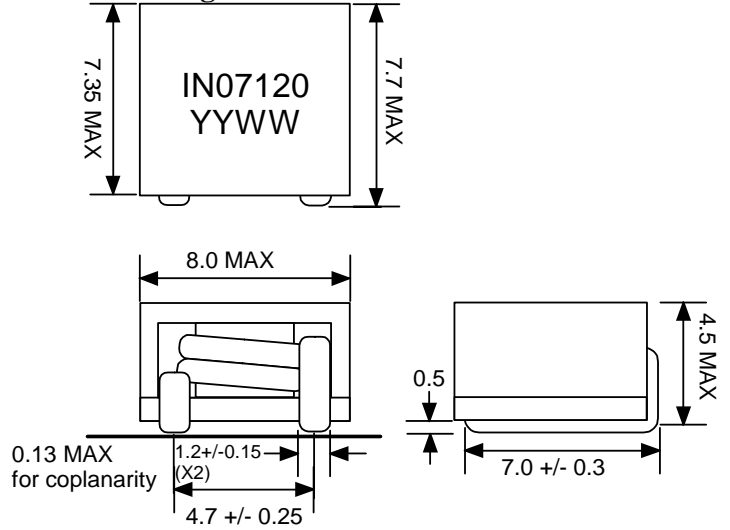
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## Mechanical Drawing



unit:mm

## General Information

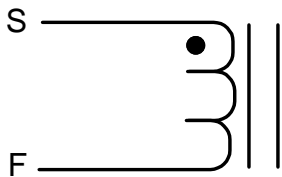
<b>Customer</b>	
<b>Part Number</b>	IN07120
<b>Revision</b>	0
<b>Description</b>	Inductor
<b>Date</b>	AUG-07-2009
<b>Reference</b>	--
<b>Doc Control #</b>	--
<b>Issue(For ICE use only)</b>	--

## Specification

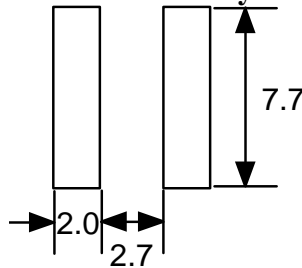
## Sample Test Data

Item	Pins	Spec	Test Condition
Inductance	S – F	430 nH +/- 10%	100 kHz, 1Vrms, series (0Adc)
	S – F	310 nH min	100 kHz, 1Vrms, series (26Adc)
DCR	S – F	1.5 mOhm +/- 8%	25 deg C
Isat (+25degC)	S – F	26 Adc max	
Isat (+125degC)	S – F	21 Adc max	
Idc	S – F	25 Adc max	

## Schematic



## Recommended PCB Layout



unit:mm

## Remark

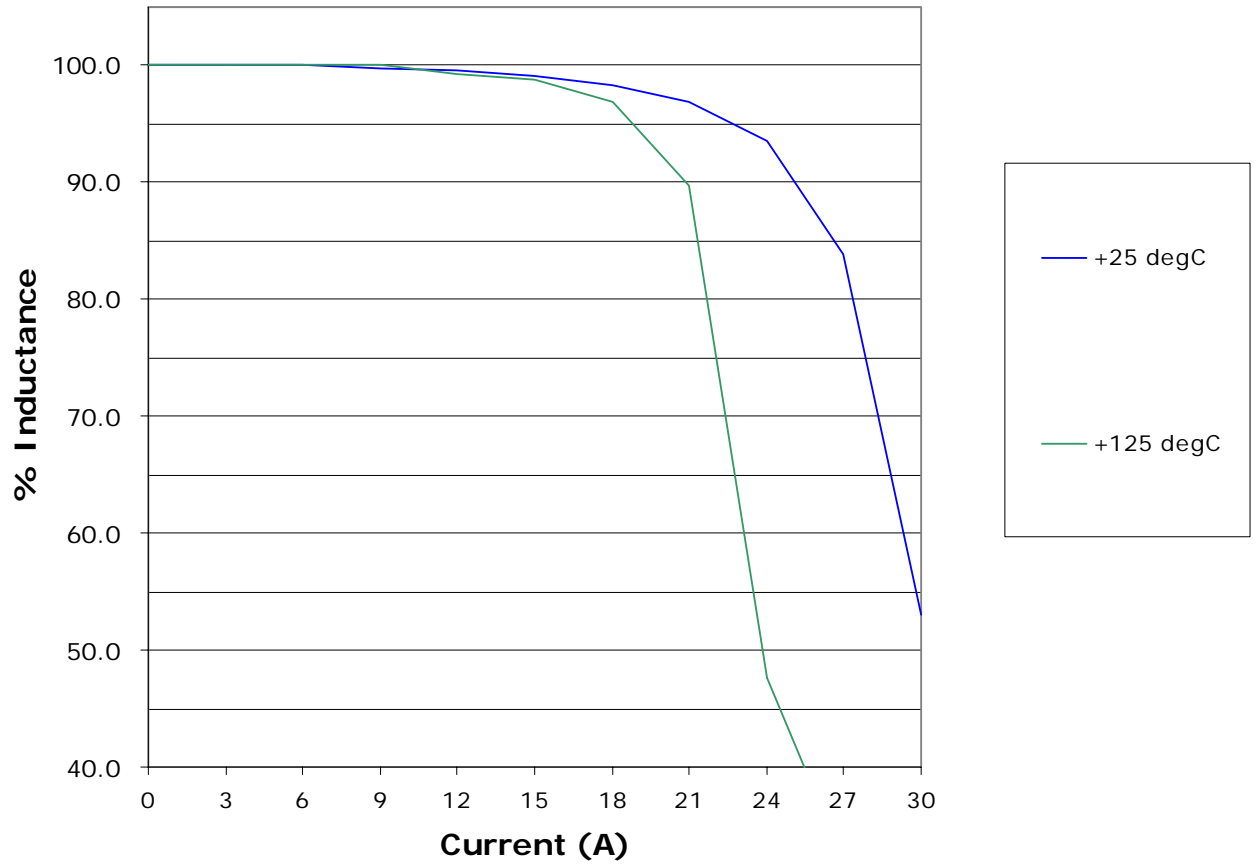
1. Isat is the current at which the inductance drops by 20%.
2. Idc is the current at which the temperature of the part increases by 50 deg C.
3. This is RoHS compliant product.
4. The max operating temperature is 130degC (ambient + temperature rise).
5. Inductance vs. Current Curve and Temperature vs. Current Curve as attached.

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

Rev.	Description	PRD	CHK	APP	Date	NTFY
0	Initial release	Emily	Gary	L. L. Chou	2009/8/7	2009/8/7

Customer Signature

### Inductance vs. Current



### Temperature VS Current

