

# Data Sheet



Helping Engineer the Technology of Power

ICE Components, Inc.

Tel 678-560-9172 Fax 678-560-9304

cust.serv@icecomp.com

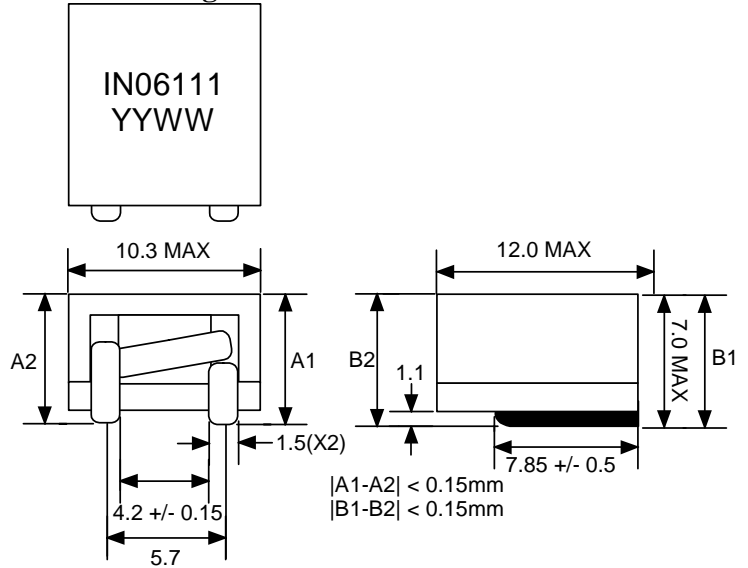
www.icecomponents.com

1165 Allgood Rd., Ste. #20, Marietta, GA 30062

## General Information

<b>Customer</b>	
<b>Part Number</b>	IN06111
<b>Revision</b>	0
<b>Description</b>	Inductor
<b>Date</b>	AUG-07-2009
<b>Reference</b>	--
<b>Doc Control #</b>	--
<b>Issue</b> (For ICE use only)	--

## Mechanical Drawing



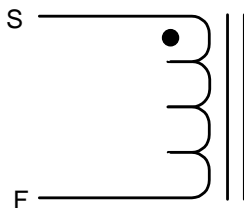
unit:mm

## Specification

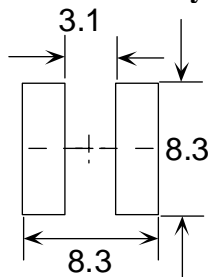
## Sample Test Data

Item	Pins	Spec	Test Condition
Inductance @0Adc	S - F	360 ~ 400 nH	1 MHz, 0.1Vrms, series
Inductance @40Adc at 25degC	S - F	320 nH min	1 MHz, 0.1Vrms, series (40Adc)
DCR	S - F	0.6 5mOhm +/- 5%	+25 deg C
Isat at 25degC	S - F	46Adc	
Isat at +125degC	S - F	40 Adc	
Idc	S - F	38 Adc	

## Schematic



## Recommended PCB Layout



unit:mm

## Remark

1. Isat is the current at which the inductance drops by 15%.
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 operating temperature is 130degC max (ambient + temperature rise).

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	2009/8/7	2009/8/7