

Data Sheet



Helping Engineer the Technology of Power

ICE Components, Inc.

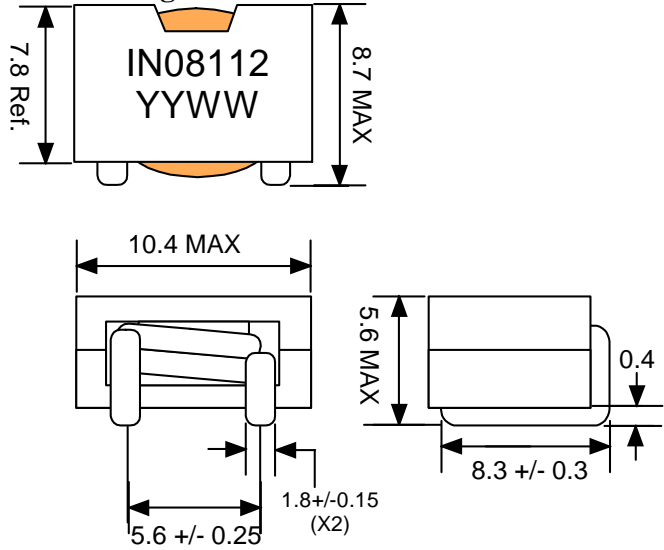
Tel 678-560-9172 Fax 678-560-9304

cust.serv@icecomp.com

www.icecomponents.com

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

Mechanical Drawing



unit:mm

General Information

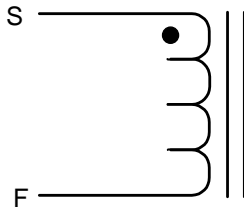
Customer	
Part Number	IN08112
Revision	0
Description	Inductor
Date	AUG-07-2009
Reference	--
Doc Control #	--
Issue(For ICE use only)	--

Specification

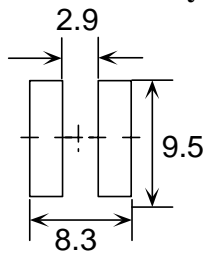
Sample Test Data

Item	Pins	Spec	Test Condition	Sample Test Data
Inductance @0Adc	S - F	1.0 uH +/- 10%	100 kHz, 1Vrms, series	
Inductance @Isat at 25degC	S - F	0.72 uH min	100 kHz, 1Vrms, series (19Adc)	
DCR	S - F	2.0 mOhms+/- 10%	+25 deg C	
Isat at 25degC	S - F	19 Adc max		
Isat at +125degC	S - F	15 Adc max		

Schematic



Recommended PCB Layout



unit:mm

Remark

1. Isat is the current at which the inductance drops by 20%.
2. Inductance vs. Current Curve and DCR vs. temperature as attached.
3. This is RoHS compliant product.
4. The max operating temperature is 130degC (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

P/N: IN08112

