

Data Sheet



Helping Engineer the Technology of Power

ICE Components, Inc.

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

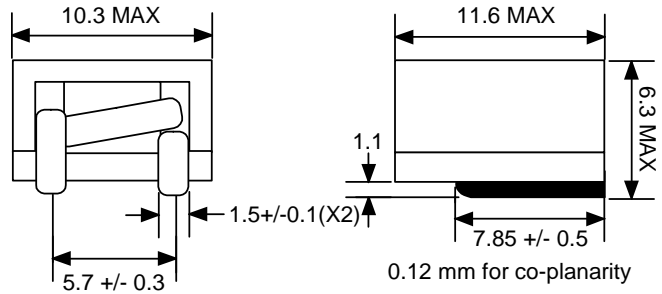
cust.serv@icecomp.com

www.icecomponents.com

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

Mechanical Drawing

IN09011
YYWW



unit:mm

General Information

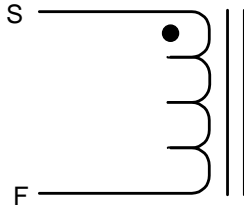
Customer	
Part Number	IN09011
Revision	0
Description	Inductor
Date	JUL-21-2009
Reference	--
Doc Control #	--
Issue (For ICE use only)	--

Specification

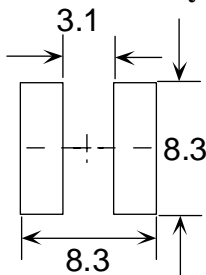
Sample Test Data

Item	Pins	Spec	Test Condition
Inductance @0Adc	S - F	380 nH +/- 10%	100 kHz, 1Vrms, series
Inductance @40Adc at 25degC	S - F	290 nH min	100 kHz, 1Vrms, series (42Adc)
DCR	S - F	0.65mOhm +/- 5%	+25 deg C
Isat at 25degC	S - F	42 Adc	
Isat at +125degC	S - F	35 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).
5. Inductance vs. Current Curve 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
0	Initial release	Emily	Gary	L. L. Chou	2009/7/21	2009/7/21

P/N:IN09011

