

Data Sheet



Helping Engineer the Technology of Power

ICE Components, Inc.

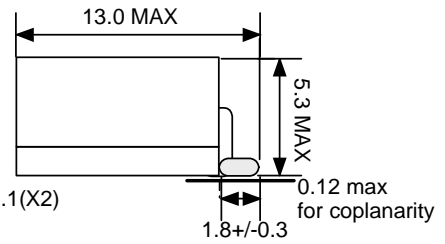
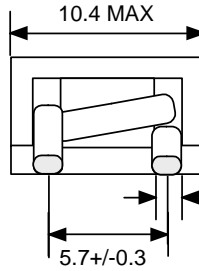
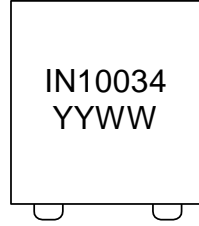
Tel 678-560-9172 Fax 678-560-9304

cust.serv@icecomp.com

www.icecomponents.com

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

Mechanical Drawing



unit:mm

General Information

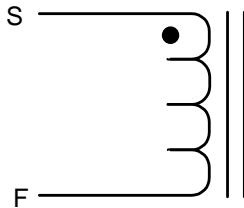
Customer	
Part Number	IN10034
Revision	0
Description	Inductor
Date	APR-19-2010
Reference	--
Doc Control #	--
Issue(For ICE use only)	--

Specification

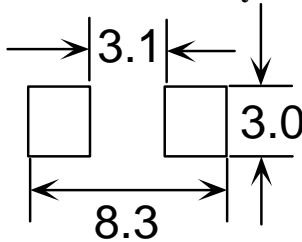
Sample Test Data

Item	Pins	Spec	Test Condition
Inductance @0Adc	S - F	410 nH +/- 12%	300kHz, 1Vrms, series
Inductance @Isat at 25degC	S - F	288 nH min	300kHz, 1Vrms, series (42Adc)
DCR	S - F	0.62 mOhms +/- 6%	+25 deg C
Isat at 25degC	S - F	42 Adc max	
Isat at 125degC	S - F	35 Adc max	
Idc	S - F	38 Adc max	

Schematic



Recommended PCB Layout



unit:mm

Remark

1. Isat is the current at which the inductance drops by 20% typ.
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. The part is no problem to perform IR-reflow.
6. Inductance vs. Current Curve, 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	2010/4/19	2010/4/19

Customer Signature

P/N: IN10034

