

Data Sheet



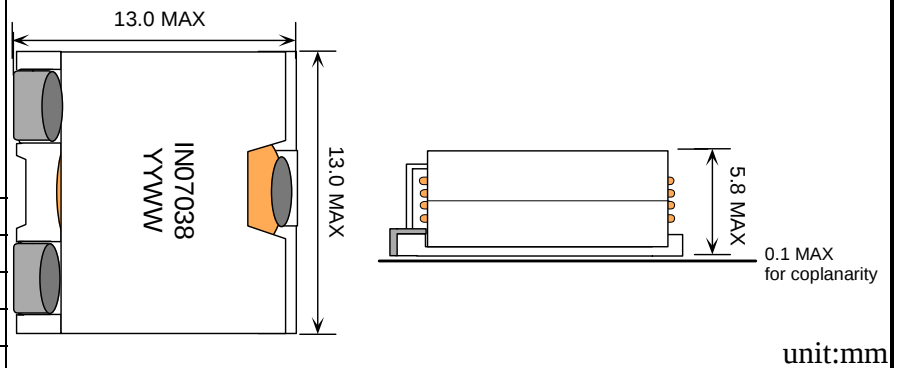
ICE Components, Inc.
Tel 678-560-9172 Fax 678-560-9304
cust.serv@icecomp.com

www.icecomponents.com
1165 Allgood Rd., Ste. #20, Marietta, GA 30062

General Information

Customer	
Part Number	IN07038
Revision	0
Description	Inductor
Date	AUG-07-2009
Reference	--
Doc Control #	--
Issue(For ICE use only)	--

Mechanical Drawing

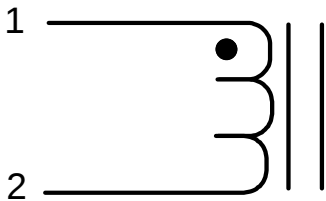


Specification

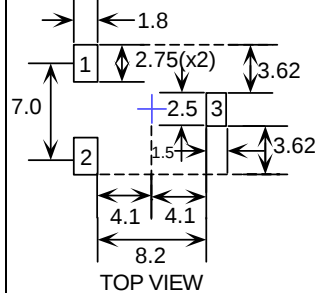
Sample Test Data

Item	Pins	Spec	Test Condition	
Inductance	1 – 2	4.7 uH +/- 15%	100 kHz, 1Vrms, series (0Adc)	
	1 – 2	3.76 uH min	100 kHz, 1Vrms, series (10.5Adc)	
DCR	1 – 2	9.0 mOhm +/- 10%	+25 deg C	
Isat at 25degC	1 – 2	12 Adc max		
Isat at -40degC	1 – 2	12 Adc max		
Isat +125degC	1 – 2	8.5 Adc max		

Schematic

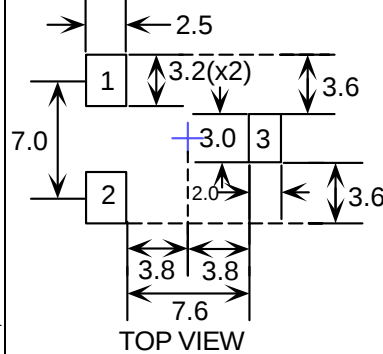


Footprint



unit:mm

Recommended PCB Layout



unit:mm

Remark

- Operating temperature range: -40degC to +130degC.
- Inductance vs. Current Curve as attached.
- This is RoHS compliant product.
- Isat is the current at which the inductance drops by 15%.

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

Inductance vs. Current

