

Data Sheet



Helping Engineer the Technology of Power

ICE Components, Inc.

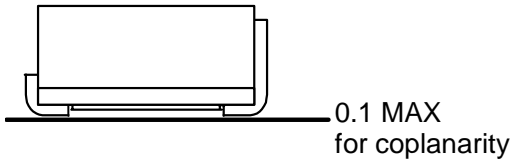
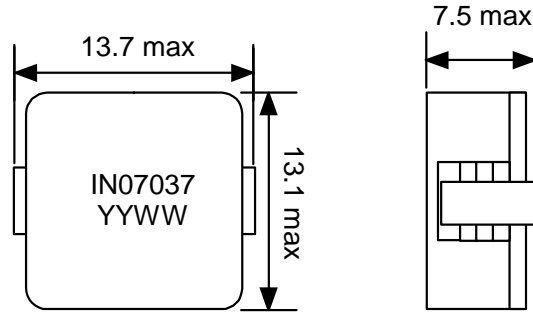
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Mechanical Drawing



unit:mm

General Information

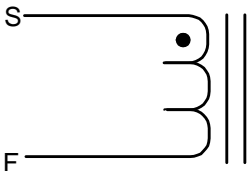
Customer	
Part Number	IN07037
Revision	0
Description	Inductor
Date	AUG-07-2007
Reference	--
Doc Control #	--
Issue(For ICE use only)	--

Specification

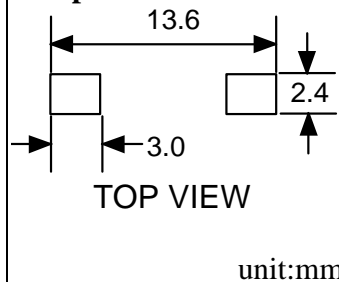
Sample Test Data

Item	Pins	Spec	Test Condition	Sample Test Data
Inductance	S - F	4.6 uH +/- 20%	100 kHz, 1Vrms, series (0Adc)	
	S - F	1.8 uH min	100 kHz, 1Vrms, series (32Adc)	
DCR	S - F	4.3 mOhm +/- 10%	+25 deg C	
Isat at 25degC		32 Adc max		
Isat at +125degC		32 Adc max		
Isat at -40degC		32 Adc max		

Schematic

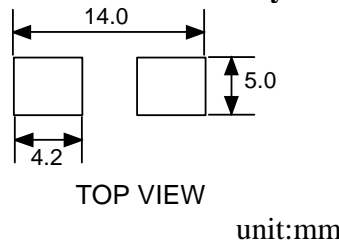


Footprint



unit:mm

Recommended PCB Layout



unit:mm

Remark

1. Operating temperature = -40degC to +130degC
2. Isat is the current at which the inductance drops by 60%.
3. This is RoHS compliant product.
4. L vs DC current 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	2009/8/7	2009/8/7

P/N: IN07037

Inductance vs. Current

