

Data Sheet



Helping Engineer the Technology of Power

ICE Components, Inc.

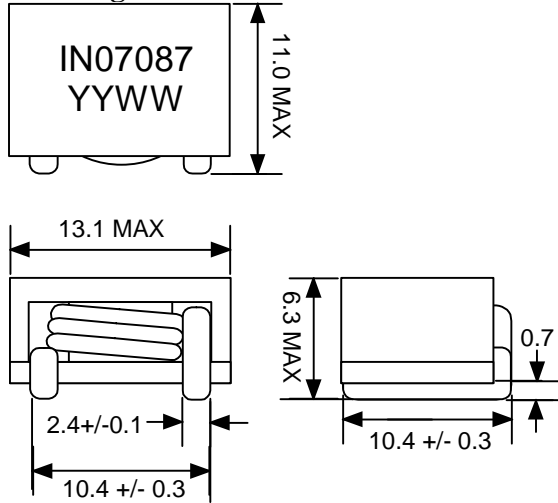
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Mechanical Drawing



unit:mm

General Information

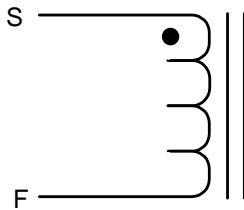
Customer	
Part Number	IN07087
Revision	1
Description	Inductor
Date	AUG-07-2009
Reference	--
Doc Control #	--
Issue(For ICE use only)	--

Specification

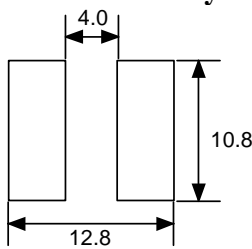
Sample Test Data

Item	Pins	Spec	Test Condition
Inductance @0Adc	S - F	1.0 uH +/- 20%	100 kHz, 0.1 Vrms, series
Inductance @Isat at 25degC	S - F	0.58 uH min	100 kHz, 0.1 Vrms, series(35Adc)
DCR	S - F	(1.15 mOhm typ.) 1.4 mOhm max	+25 deg C
Isat	S - F	35 Adc	

Schematic



Recommended PCB Layout



unit:mm

Remark

1. Isat is the current at which the inductance drops by 30% typ.
2. This is RoHS compliant product.
3. Operating temperature: -40degC to +125degC.
4. 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
1	Initial release	Emily	Gary	L. L. Chou	2009/8/7	2009/8/7

Inductance VS Current

