

Data Sheet



Helping Engineer the Technology of Power

ICE Components, Inc.

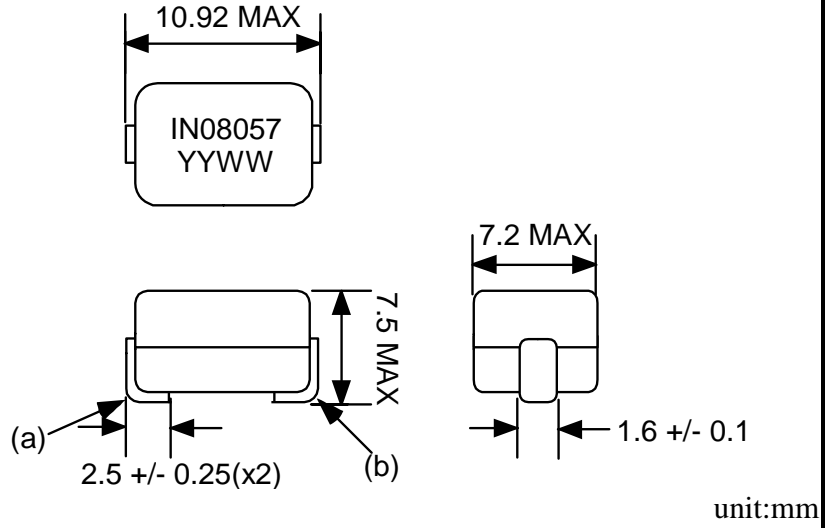
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Mechanical Drawing



General Information

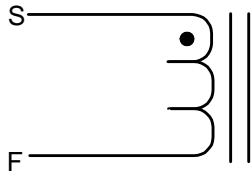
Customer	
Part Number	IN08057
Revision	0
Description	Inductor
Date	AUG-07-2009
Reference	--
Doc Control #	--
Issue(For ICE use only)	--

Specification

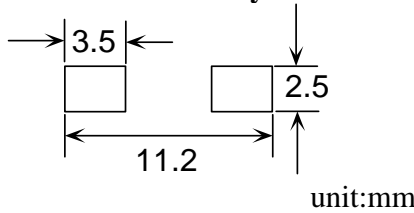
Sample Test Data

Item	Pins	Spec	Test Condition	Sample Test Data
Inductance @0Adc	S - F	120 nH +/- 15%	100 kHz, 1Vrms, series	
Inductance @Isat at 25degC	S - F	80 nH min	100 kHz, 1Vrms, series (80 Adc)	
DCR	S - F	0.47 mOhm +/-10%	+25 deg C	
Isat at 25degC	S - F	80 Adc max		
Isat at +125degC	S - F	70 Adc max		
Idc	S - F	39 Adc max		

Schematic



Recommended PCB Layout



Remark

- Isat is the current at which the inductance drops by 20%.
- Idc is the current at which the temperature of the part increases by 50 deg C.
- Inductance vs. Current Curve & Temperature vs. Current Curve as attached.
- The nominal DCR is measured from point (a) to point (b), as shown on the mechanical drawing.
- This is RoHS compliant product.
- The max operating temperature is 130degC (ambient + temperature rise).

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	2009/8/7	2009/8/7

Customer Signature

P/N: IN08057

