

Data Sheet



Helping Engineer the Technology of Power

ICE Components, Inc.

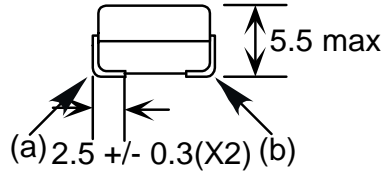
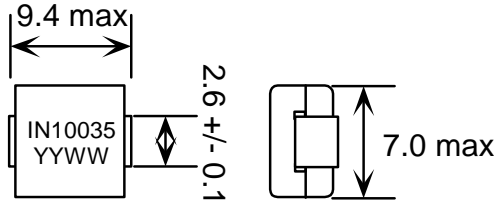
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Mechanical Drawing



unit:mm

General Information

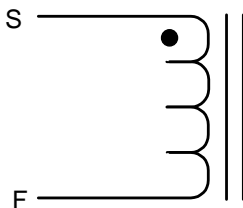
Customer	
Part Number	IN10035
Revision	0
Description	Inductor
Date	JUL-09-2010
Reference	--
Doc Control #	--
Issue (For ICE use only)	--

Specification

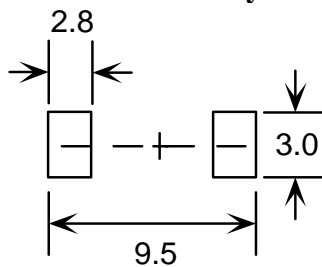
Sample Test Data

Item	Pins	Spec	Test Condition	Sample Test Data
Inductance @0Adc	S - F	185 nH +/- 15%	1 MHz, 0.1Vrms, series	
Inductance @Isat at 25degC	S - F	126 nH min	1 MHz, 0.1Vrms, series (34Adc)	
DCR	S - F	0.21 mOhms +/- 10%	+25 deg C	
Isat at 25degC	S - F	34 Adc max		
Isat +100degC	S - F	31Adc max		

Schematic



Recommended PCB Layout



unit:mm

Remarks

1. Isat is the current at which the inductance drops by 20% typ.
2. Inductance vs. Current Curve as attached.
3. This is RoHS compliant product.
4. The nominal DCR is measured from point (a) to point (b), as shown on the mechanical drawing.
5. Operating temperature range: -40degC ~ +130degC. (Ambient + temperature rise)

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	Cha. Cha.	L. L. Chou	2010/7/9	2010/7/9

P/N: IN10035

