

Data Sheet



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ICE Components, Inc.

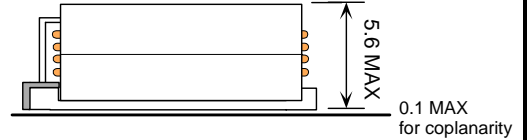
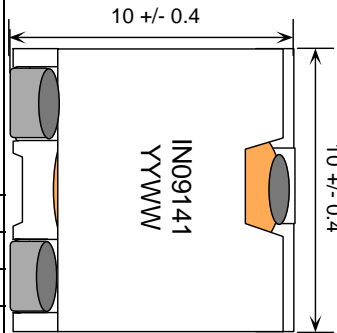
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1165 Allgood Rd., Ste. #20, Marietta, GA 30062

Mechanical Drawing



unit:mm

General Information

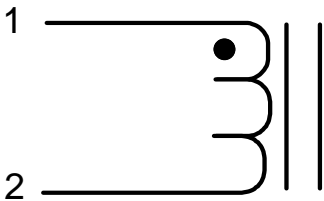
Customer	
Part Number	IN09141
Revision	0
Description	Inductor
Date	APR-19-2010
Reference	--
Doc Control #	--
Issue (For ICE use only)	--

Specification

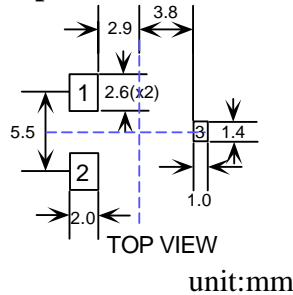
Sample Test Data

Item	Pins	Spec	Test Condition	Sample Test Data
Inductance	1 – 2	8.8 uH +/- 20%	100 kHz, 1Vrms, series (0Adc)	
	1 – 2	5.28 uH min	100 kHz, 1Vrms, series (4.8Adc)	
DCR	1 – 2	23.8 mOhms max	+25 deg C	
Isat at 25degC	1 – 2	4.8 Adc max		
Isat +100degC	1 – 2	4.0 Adc max		

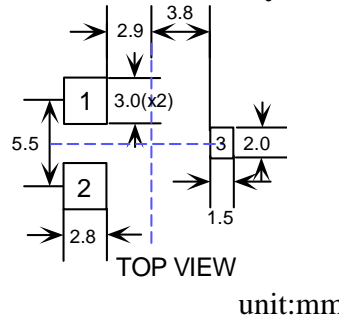
Schematic



Footprint



Recommended PCB Layout



Remark

1. Operating temperature range: -40degC to +130degC.
2. This is RoHS compliant product.
3. Isat is the current at which the inductance drops by 25% typ.

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	2010/4/19	2010/4/19