

Data Sheet



Helping Engineer the Technology of Power

ICE Components, Inc.

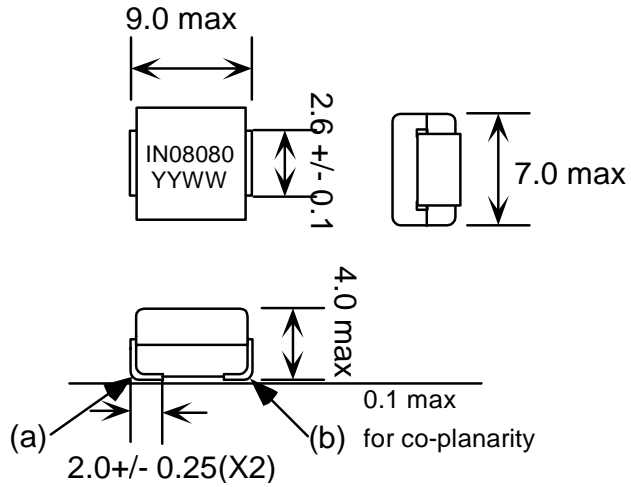
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Mechanical Drawing



unit:mm

General Information

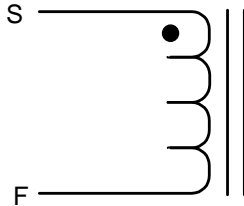
Customer	
Part Number	IN08080
Revision	0
Description	Inductor
Date	AUG-07-2009
Reference	--
Doc Control #	--
Issue(For ICE use only)	--

Specification

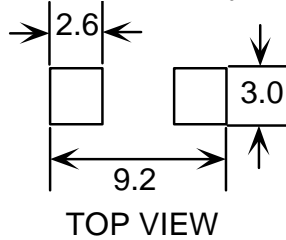
Sample Test Data

Item	Pins	Spec	Test Condition	Sample Test Data
Inductance @0Adc	S - F	150 nH +/- 15%	1 MHz, 0.1Vrms, series	
Inductance @Isat at 25degC	S - F	(120 nH typ.) 95 nH min	1 MHz, 0.1Vrms, series (34 Adc)	
DCR	S - F	0.26 mOhm +/- 10%	+25 deg C	
Isat at +25degC	S - F	34 Adc max		
Isat at +125degC	S - F	27 Adc max		

Schematic



Recommended PCB Layout



unit:mm

Remark

1. Isat is the current at which the inductance drops by 20%.
2. The nominal DCR is measured from point (a) to point (b), as shown on the mechanical drawing.
3. This is RoHS compliant product.
4. The max operating temperature is 130degC (ambient + temperature rise).
5. Inductance 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: IN08080

