

Data Sheet



Helping Engineer the Technology of Power

ICE Components, Inc.

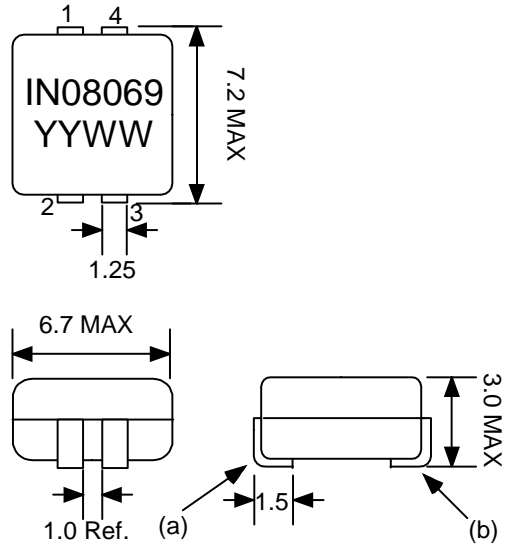
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Mechanical Drawing



unit:mm

General Information

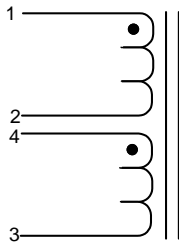
Customer	
Part Number	IN08069
Revision	0
Description	Inductor
Date	AUG-07-2009
Reference	--
Doc Control #	--
Issue(For ICE use only)	--

Specification

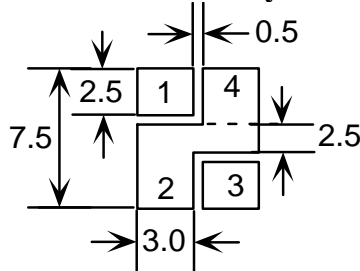
Sample Test Data

Item	Pins	Spec	Test Condition
Inductance	1 - 3	200 nH +/- 15%	1 MHz, 0.1Vrms, series (shorted 2 - 4) (0Adc)
	1 - 3	145 nH min	1 MHz, 0.1Vrms, series (shorted 2 - 4) (21Adc)
DCR	1 - 2	0.43 mOhm typical (0.50 mOhm max)	+25 deg C
	4 - 3	0.43 mOhm typical (0.50 mOhm max)	
Isat at +25 degC	1 - 3	21 Adc max	(shorted 2 - 4)
Isat at +125 degC	1 - 3	17 Adc max	(shorted 2 - 4)

Schematic



Recommended PCB Layout



unit:mm

Remark

- Isat is the current at which the inductance drops by 15%.
- Inductance 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.

Customer Signature

Rev.	Description	PRD	CHK	APP	Date	NTFY
0	Initial release	Emily	Gary	L. L. Chou	2009/8/7	2009/8/7

