

Data Sheet



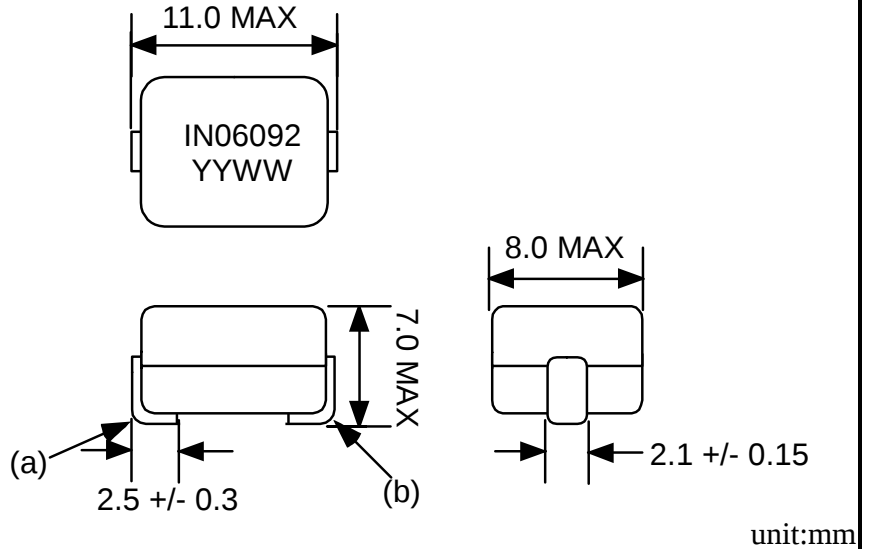
ICE Components, Inc.
Tel 678-560-9172 Fax 678-560-9304
cust.serv@icecomp.com

www.icecomponents.com
1165 Allgood Rd., Ste. #20, Marietta, GA 30062

General Information

Customer	
Part Number	IN06092
Revision	0
Description	Inductor
Date	AUG-07-2009
Reference	--
Doc Control #	--
Issue(For ICE use only)	--

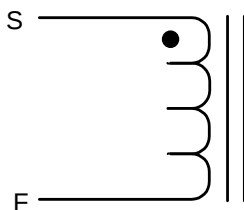
Mechanical Drawing



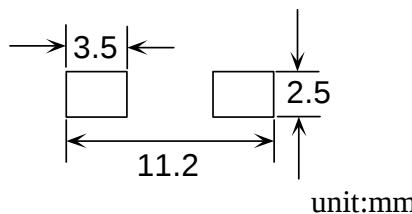
Specification

Item	Pins	Spec	Test Condition	Sample Test Data
Inductance @0Adc	S - F	300 nH +/- 15%	1 MHz, 0.1Vrms, series	
Inductance @Isat at 25degC	S - F	215 nH min	1 MHz, 0.1Vrms, series (30 Adc)	
DCR	S - F	0.48 mOhm +/- 10%	+25 deg C	
Isat at 25degC	S - F	30 Adc max		
Isat at -40degC	S - F	32 Adc max		
Isat +125degC	S - F	25 Adc max		
Idc	S - F	39 Adc max		

Schematic



Recommended PCB Layout



Remark

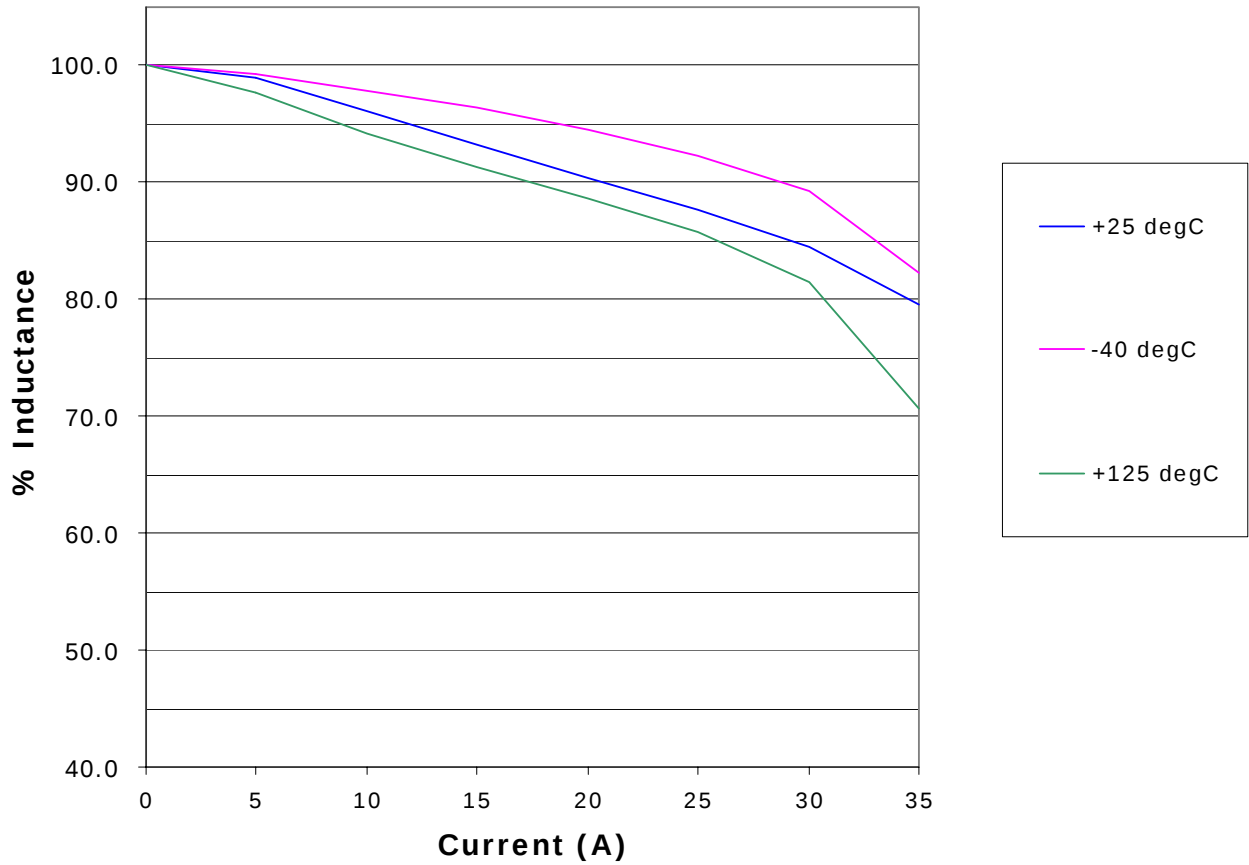
- Isat is the current at which the inductance drops by 15% typ.
- Idc is the current at which the temperature of the part increases by 40 deg C.
- Inductance vs. Current Curve and Temperature vs. Current Curve as attached.
- The nominal DCR is measured from point (a) to point (b), as shown on the mechanical drawing.
- This is RoHS compliant product.

Sample approval is required before release to production. Sample specifications take precedence over customer specifications.

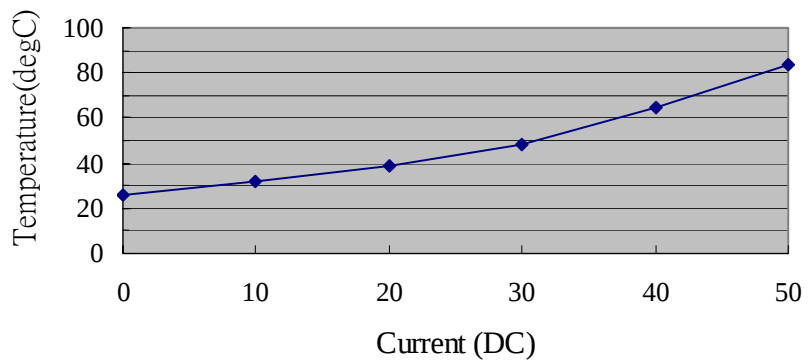
Customer Signature

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

Inductance vs. Current



Temperature VS Current



AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com