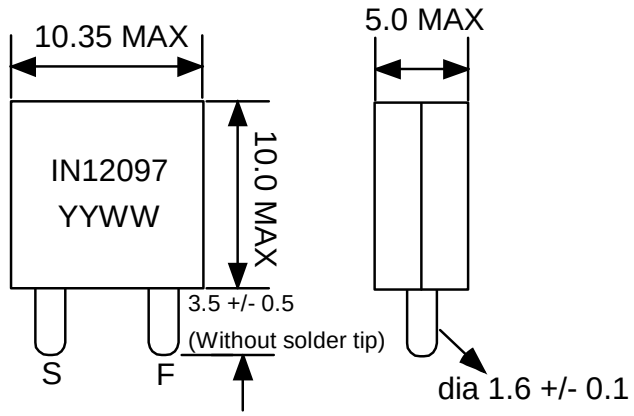
Data Sheet

ICE Components, Inc.
E-mail:engineer@ica.com.tw
www.icecomponents.com
6-1Fl., No. 111, Sec. 3, Chung-Hsin Road,
San-Chung City, Taipei Hsien, Taiwan

Mechanical Drawing

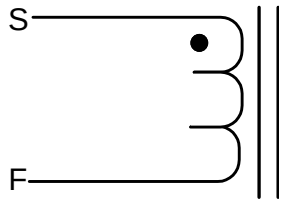


unit:mm

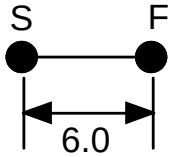
General Information	
Customer	Mitac
Customer P/N	
ICE P/N	IN12097
Revision	0
Description	Inductor
Date	AUG-31-2012
Reference	--
Doc Control #	1208-655P
Issue(For ICE use only)	--

Specification				Sample Test Data
Item	***Pins***	***Spec***	***Test Condition***	
Inductance	S – F	150 nH +/- 15%	500 kHz, 1Vrms, series (0Adc)	
	S – F	102 nH min	500 kHz, 1Vrms, series (57Adc)	
DCR	S – F	0.2 mOhms +/- 5%	+25 deg C	
Isat at 25degC [3]		57 Adc max		
Isat at 125degC [3]		48 Adc max		
Idc [4]		33 Adc max		

Schematic



Footprint



unit:mm

Remark

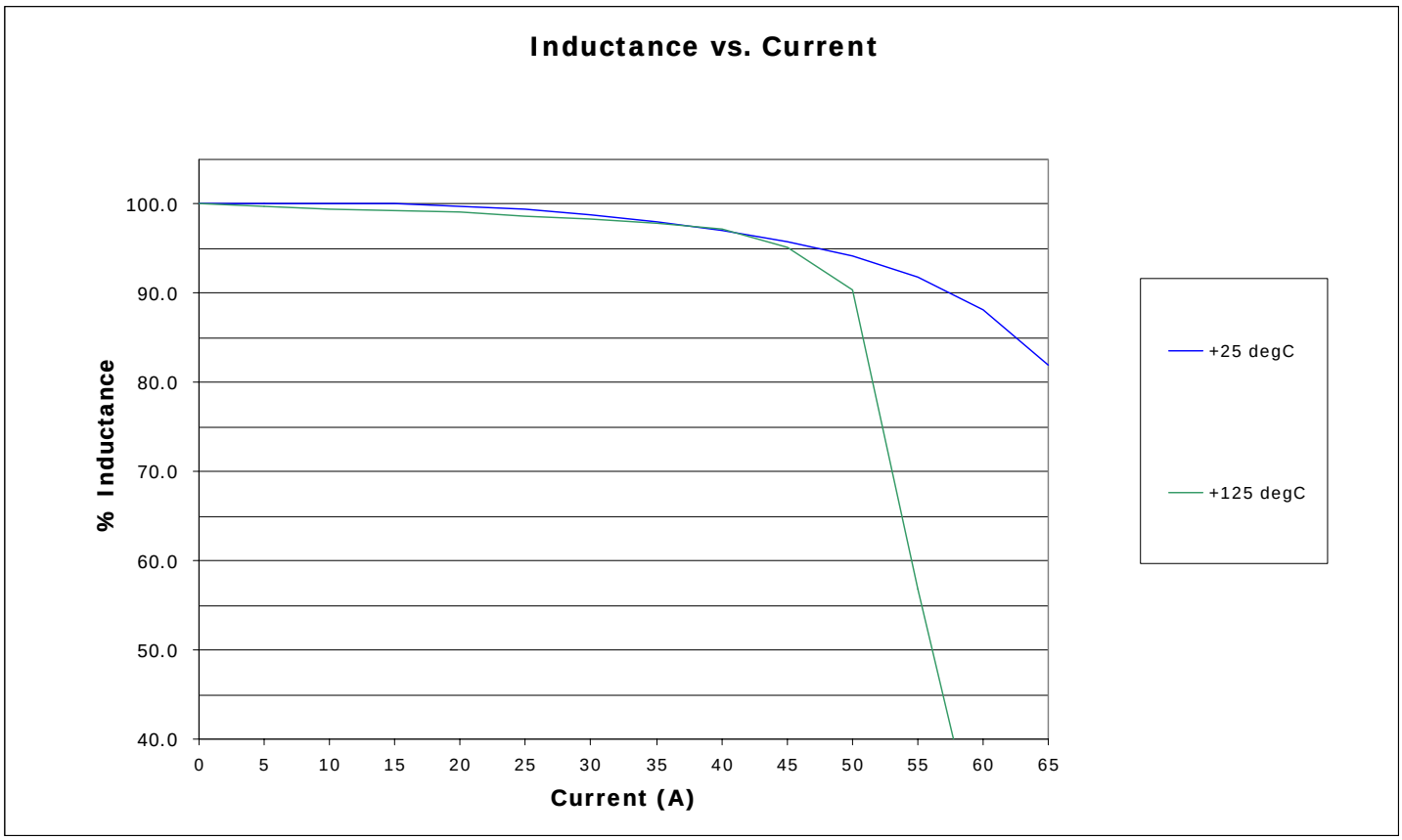
1. This is RoHS compliant and halogen free product.
2. The operating temperature is -40degC~ +130degC (ambient + temperature rise).
3. Isat is the current at which the inductance drops by 20%.
4. Idc is the DC current which causes the part temperature to increase by approximately 50degC. This current is determined by soldering the component on a typical application PCB, and then applying the current to the device for 30 minutes without any forced air cooling.
5. Inductance vs. Current Curve as attached.
6. BOM and UL File No list as attached.
7. Packaging information: 100 pcs per tray, 1200 pcs per carton.
8. The parts can withstand to dip solder at 260C for 10 seconds.

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	2012/8/31	2012/8/31

P/N: IN12097



BOM & UL File No

Materials :

Item	Materials	Specification	UL No.
1.	Core	Ferrite Core Mn-Zn material	--
2.	Wire	Polyester basecoat with a Polyamide-imide topcoat, rated 200deg C or ANSI MW 35C type, various manufacturers which are UL MW35C approved. (1.6mm)	JUNG SHING E174837
			JIUH FENG E169290
			TATUNG CO E106004
			P.E.W.C. E84081
			P.E.W.C. E201757
			HITACHI E215594
			TA YA E84201
			TAI - I E85640
			TA WIN E152187
			ESSEX E32638
3.	Epoxy	Emerson & Cuming ECCOBOND G500HF / G757HF	--
4.	Solder	Alpha Metals Sn 99.3 / Cu 0.7	--