

Data Sheet



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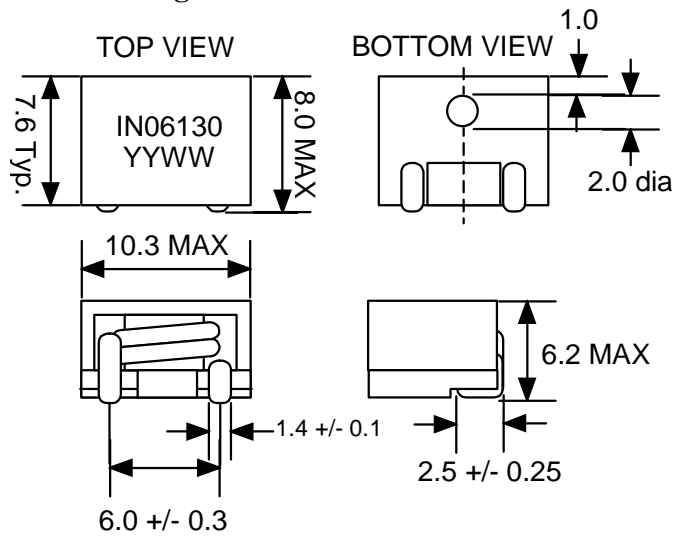
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San-Chung City, Taipei Hsien, Taiwan

General Information

Customer	
Part Number	IN06130
Description	Inductor
Date	JUL-26-2007
Reference	--
Sample Log#	--
Doc Control #	0707-686P
Issue	A

Mechanical Drawing



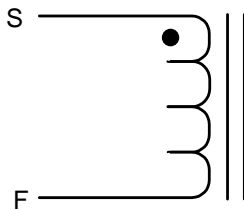
unit:mm

Specification

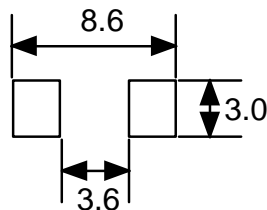
Sample Test Data

Item	Pins	Spec	Test Condition	Sample Test Data
Inductance @0Adc	S - F	660 nH +/- 10%	100 kHz, 0.1Vrms, series	
Inductance @Isat at 25degC	S - F	475 nH min	100 k Hz, 0.1Vrms, series (27 Adc)	
DCR	S - F	1.15 mOhm typ. 1.4 mOhm max	+25 deg C	
Isat at +25degC	S - F	27 Adc max		
Isat at +125degC	S - F	22 Adc max		
Isat at -40degC	S - F	29 Adc max		
Idc	S - F	27 Adc max		

Schematic



Recommended PCB Layout



unit:mm

Remark

- Isat is the current at which the inductance drops by 20% max.
- Idc is the current at which the temperature of the part increases by 50 deg C.
- This is RoHS compliant product.
- Inductance vs. Current Curve and Temperature vs. Current Curve as attached.
- Operating temperature range: -40degC ~ +130degC (temperature rise + ambient temperature).

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

Customer Signature

Rev.	Description	PRD	CHK	APP	Date
0	Initial release	Emily	Gary	L. L. Chou	2007/7/26

