

Data Sheet



Helping Engineer the Technology of Power

ICE Components, Inc.

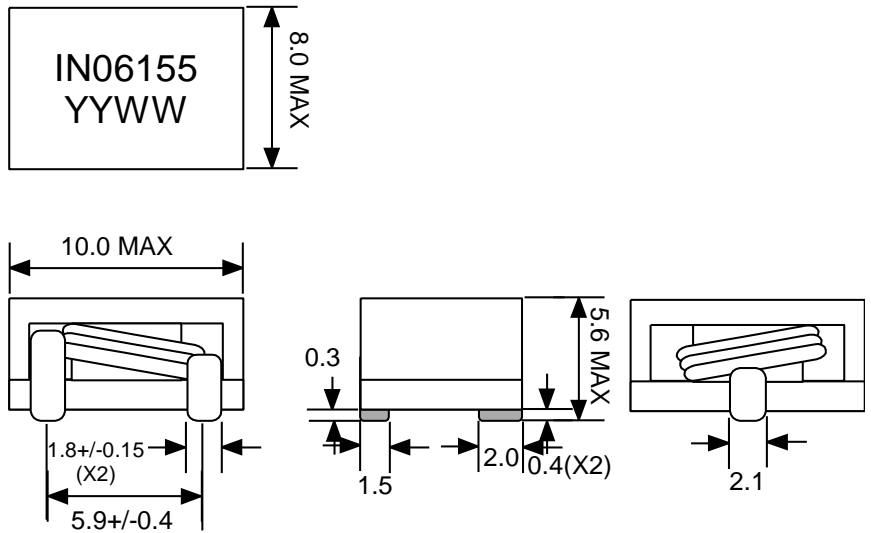
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Mechanical Drawing



unit:mm

General Information

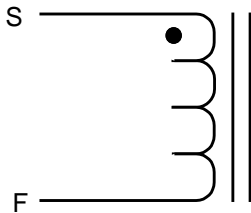
Customer	
Customer P/N	
ICE P/N	IN06155
Revision	0
Description	Inductor
Date	NOV-17-2022
Reference	--
Doc Control #	
Issue (For ICE use only)	E

Specification

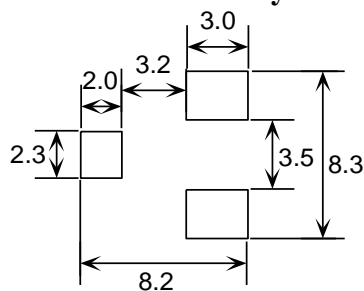
Sample Test Data

Item	Pins	Spec	Test Condition	Sample Test Data
Inductance @0Adc	S - F	1.0 uH +/- 15%	500 kHz, 0.1Vrms, series	
Inductance @Isat at 25degC	S - F	0.75 uH min	500 k Hz, 0.1Vrms, series (19Adc)	
DCR	S - F	2.3 mOhm typical (3.5 mOhm max)	+25 deg C	
Isat at 25degC	S - F	19 Adc max		

Schematic



Recommended PCB Layout



unit:mm

Remark

- 1) This is RoHS compliant product.
- 2) Isat is the current at which the inductance drops by 15%.
- 3) Inductance vs. Current Curve as attached.
- 4) 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	Helen	ChaCha	Gary	2009/8/7	2022/11/17

