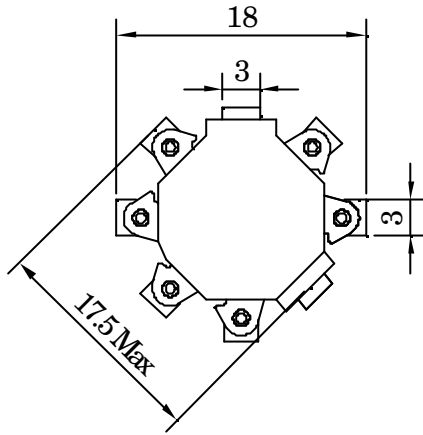




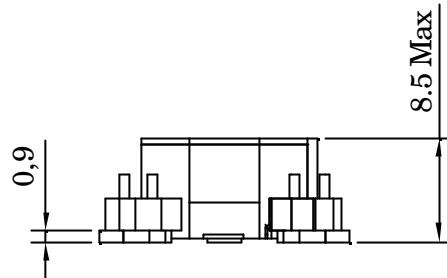
Customer	Customer Ref.	Description Current Transformer 35 A 1:100			
Project Ref CSAU-100	Prototype Ref.	Ordering Code CSAU-100	Date 10/03/10	Edition 1	Page 1/3



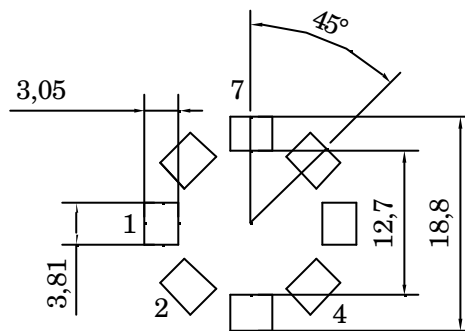
1- Dimensions



Top View



Side View



Recommended PCB Layo ut.
View in Mounting Direction

Notes.

- Tolerances $\pm 0,25$ mm
- Pin 3 and 8 not connecting for ensure creepage security distances.
- Coplanarity $< 100\mu$

Notes:

Specification are subjetced to change without notice



Customer	Customer Ref.	Description Current Transformer 35 A 1:100			
Project Ref CSAU-100	Proto type Ref.	Ordering Code CSAU-100	Date 10/03/10	Edition 1	Page 2/3



2- Electrical Parameters

Parameter	Value
Application	Current Transformer
Work Frequency	100 to 250 kHz Typical Value 200 kHz
Nominal RMS Current	35 A RMS
Wave Form Expected	Peak-Current-Sense in the primery side of a DCDC-Converter for HEV
Turns Ratio	1 : 100
Secondary Inductance	4 to 12 mH (at 100kHz 100mVac)
Primary Resistance (at 25 °C)	< 1 mOhm Typical 0.50 mOhm
Secondary Resistance (at 25 °C)	< 1 Ω Typical 0.8 mOhm
P to S Capacitance at 100kHz 100mVa	< 7 pF Typical 4.5 pF
Hi-Pot	
Primar to Secondary	3kV _{DC} 1' (1mA current allowed)
Primar to Core	3kV _{DC} 1' (1mA current allowed)
Secondary to Core	500 V _{DC} 1' (1mA current allowed)
Temperature Behavior	
Operating Temperature (including Self-Heating)	- 40 to 155°C
Storage Temperature	- 55 to 155°C

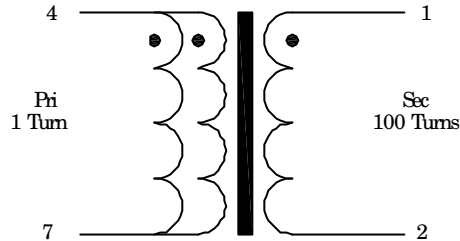
Notes:
Specification are subjetced to change without notice



Customer	Customer Ref.	Description Current Transformer 35 A 1:100			
Project Ref CSAU-100	Prototype Ref.	Ordering Code CSAU-100	Date 10/03/10	Edition 1	Page 3/3

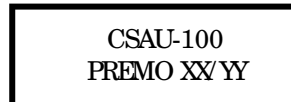


3- Electrical Diagram



4- Marking

The Transformer is marked on the top surface as follows:



XX: Week
YY: Year

5- Standards.

The current transformer is designed according to following standards:

- RoHS directive
- AECQ-200

6- Packaging

- Type = Tape and reel
- Pieces per Real = 250pcs

Notes:

Specification are subjected to change without notice