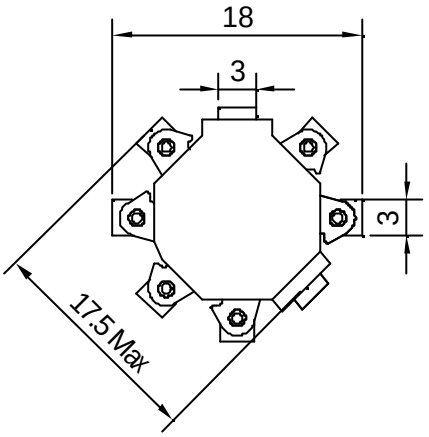
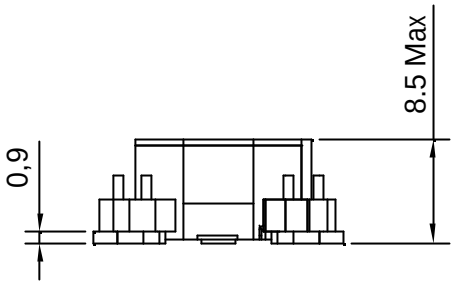
	Customer	Customer Ref.	Description			
PREMO			Current Transformer 35 A 1:100			
	Project Ref	Prototype Ref.	Ordering Code	Date	Edition	Page
	CSAU-100		CSAU-100	10/03/10	1	1/3

RoHS 2002/95/EC

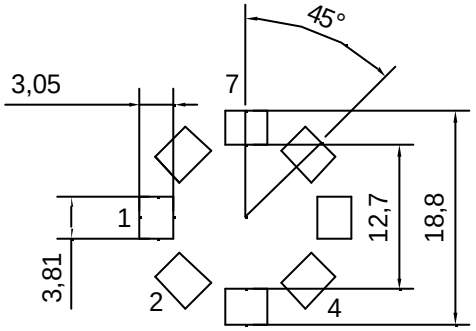
1- Dimensions



Top View



Side View



Recommended PCB Layout.
View in Mounting Direction

Notes.

- Tolerances ± 0,25 mm
- Pin 3 and 8 not connecting for ensure creepage security distances.
- Coplanarity < 100u

Notes:
Specification are subjetced to change without notice

DIMENSIONS IN: mm	TECHNICAL SPECIFICATION

RoHS 2002/95/EC

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 ºC)	< 1 mOhm Typical 0.50 mOhm
Secondary Resistance (at 25 ºC)	< 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 155ºC
Storage Temperature	- 55 to 155ºC

Notes:
Specification are subjetced to change without notice

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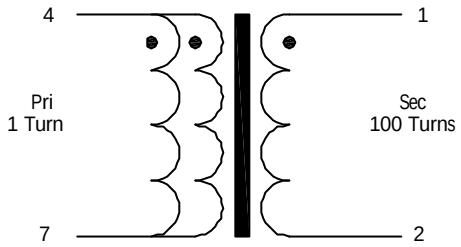
3- Electrical Diagram



4- Marking

The Transformer is marked on the top surface as follows:

CSAU-100 PREMO XX/YY

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 subjetced to change without notice