CSAU-100
Automotive HEV Current Transformer up to 35 Amps

INDUCTIVE COMPONENTS / CURRENT TRANSFORMERS

APPLICATONS
- Automotive HEV DC/DC Converters and Battery Chargers
- Industrial high power SMPS

FEATURES
- Design for high performance 2-3kW SMPS
- Very low profile: 8.5mm max
- Primary current up to 35 Arms
- Working frequency from 100 to 250kHz
- High isolation between primary and secondary
- Potted solution assures safety creepage distance ≥5mm
- High Operating Temperature -40 to 155 ºC.
- AOI (Automatic Optical Inspection) component
- Very stable performances versus temperature
- No thermal aging effect
- UL94V-0 material
- RoHS compliant

SPECIFICATIONS

<table>
<thead>
<tr>
<th>ELECTRICAL SPECIFICATIONS</th>
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<tbody>
<tr>
<td>Primary Current Irms (A)</td>
<td>35</td>
</tr>
<tr>
<td>Secondary Turns</td>
<td>100</td>
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<tr>
<td>Secondary Inductance mH (Min)</td>
<td>4.0</td>
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<tr>
<td>DCR Primary typ (mOhm)</td>
<td>0.5</td>
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<tr>
<td>DCR Secondary typ (Ohm)</td>
<td>0.8</td>
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</tbody>
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- All test data are referenced to 25 ºC ambient temperature
- (1) Inductance values are measured at 100kHz/0.1V
- (2) See L vs. Idc curve beside
- (3) Burden resistor from 5 to 10 Ohms
- (4) Continuous operating temperature range must be within -40/+155 ºC (ambient + self heating)

DIMENSIONS

TYPICAL INDUCTANCE