# Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

Tamura
TCS-01

For any questions, you can email us directly:
sales@integrated-circuit.com

EIS electronic components
Distributor of Tamura: Excellent Integrated System Limited
Datasheet of TCS-01 - TRANSFMR CRNT SENS 6A 1:20 RATIO
Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

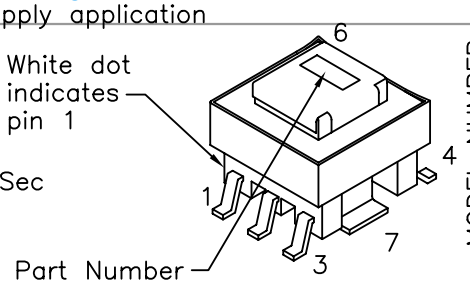
REV. Status
PRELIMINARY
03/15/04 MP

SMT Current Sense Transformer for Switching power supply application

TCS SERIES

A. Electrical Specifications (@ 25° C)

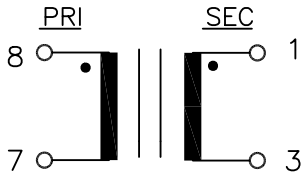
1. Operating Frequency; 250kHz and above
2. Rated Primary Current; 6Arms
3. Dielectric Strength; 500Vrms 1 second @ Pri to Sec
4. Operating Temperature; −40°C to +85°C
5. Specification;

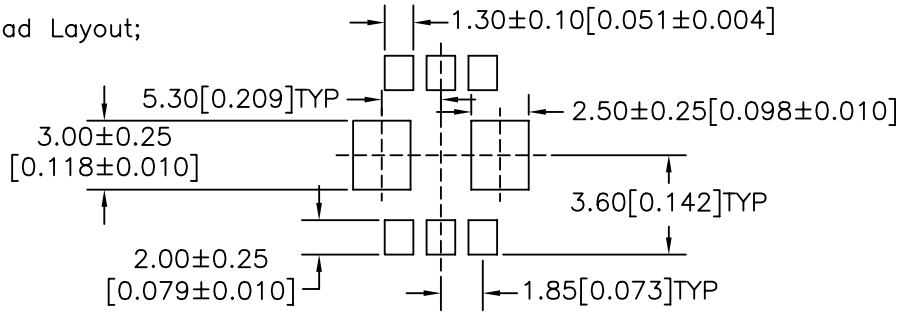



| Tamura Part No | Turns Ratio (7−8):(1−3) | Inductance @ 10kHz, 0.1Vrms (1−3) (μH) MIN | DCR (7−8) mΩ MAX | DCR (1−3) ΩMAX | Terminating Resistor ΩMax | Marking |
|---|---|---|---|---|---|---|
| TCS−01 | 1:20 | 80 | 6 | 0.55 | 20 | C01 |
| TCS−02 | 1:30 | 180 | 6 | 0.87 | 30 | C02 |
| TCS−03 | 1:40 | 320 | 6 | 1.14 | 40 | C03 |
| TCS−04 | 1:50 | 500 | 6 | 1.50 | 50 | C04 |
| TCS−05 | 1:60 | 720 | 6 | 1.75 | 60 | C05 |
| TCS−06 | 1:70 | 980 | 6 | 4.75 | 70 | C06 |
| TCS−07 | 1:100 | 2000 | 6 | 5.90 | 100 | C07 |
| TCS−08 | 1:125 | 3000 | 6 | 7.70 | 125 | C08 |

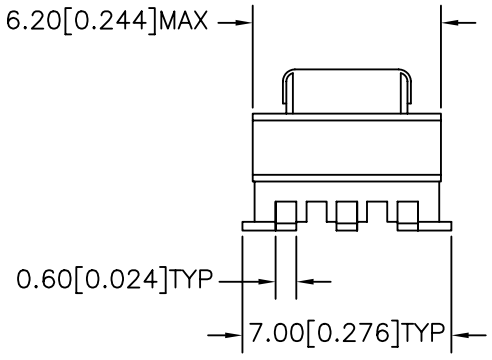
6. Marking; Part Number (Per above table)

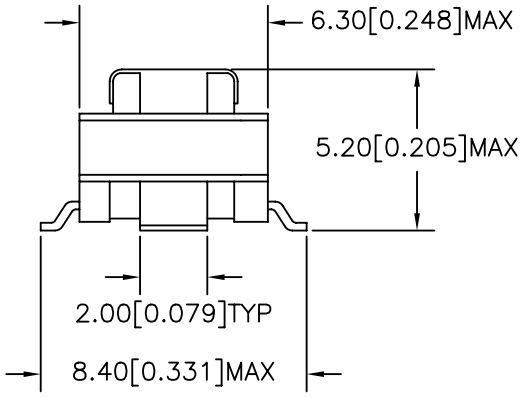
C. Schematic and Suggested Pad Layout;

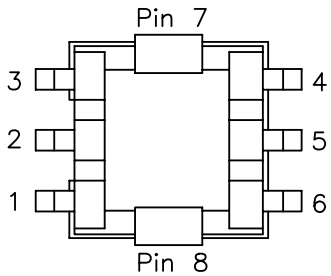



D. Mechanical Specifications




PREPARED BY: D. Rund
ENGINEER: M. Pitchai
QUALITY CONTROL: T. Clem
APPROVED: D. Kelley

DWG CONTROL NO. P−A1−13385
ACAD\MISC\A1133851.DWG
REV PRE

SMT CURRENT SENSE TRANSFORMER

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TCS SERIES
MODEL SPECIFICATION
DIM: mm(In) SCL: 6/1 SH: 1 OF 1

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