

REV. Status

REVISION -
08/04/94 TSREVISION A
T.H.D. -82dB TYP
WAS -76dB MAX
UPDATED AGENCY
APPROVALS AND
DIMENSIONS
11/18/94 TSREVISION B
NEW FORMAT
06/02/98 TSREVISION C
ADDED PART
NUMBER TSL203
08/15/01 MP

SURFACE MOUNT TELECOMMUNICATIONS TRANSFORMER

A. Electrical specifications (@ 25° C)

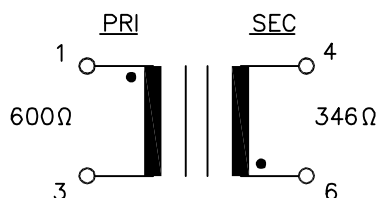
1. Pri source impedance; 600 Ω
2. Sec load impedance; 346 Ω
3. MAX output power; 3.6dBm (2.3mW)
4. Frequency response; +0.15, -0.35dB 300Hz to 3.5KHz
5. DC unbalance; 0mA
6. Return loss; 25dB MIN @ 300Hz to 3.5KHz
7. Insertion loss; 2.7dB $\pm$ 0.4dB @ 1KHz
8. Longitudinal balance; 60dB MIN @ 200Hz to 4KHz
9. DC resistance;
(1-3) = 127 Ω $\pm$ 15%
(4-6) = 150 Ω $\pm$ 15%
10. Turns ratio;
(1-3) : (4-6) = 1 : 1.00 $\pm$ 2%
11. Dielectric strength;
1000Vrms 1 minute @ Pri to Sec, Pri to Core
500Vrms 1 minute @ Sec to Core
12. Total harmonic distortion; -82dB TYP @ 600Hz, -10dBm

B. Marking; TTC-203SL, TAMURA, date code and country of origin

or TSL203, TAMURA and date code Date code and country of origin farside

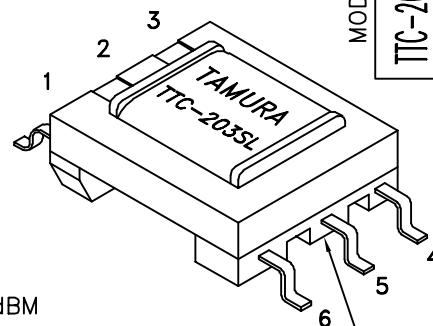
C. Safety; CSA-C22.2 No. 950-M89 File No. 138028
UL1459, UL1950 File No. 138028

D. Schematic diagram



0.76[0.030]TYP

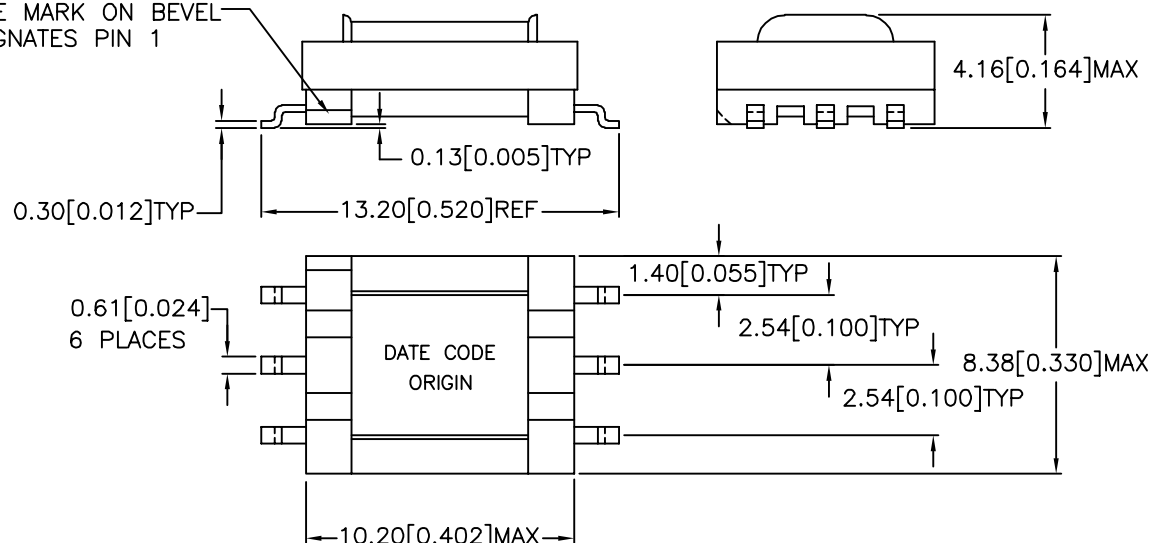
2.54[0.100]TYP



MODEL NUMBER

TTC-203SL OR TSL203

MOUNTING FOOTPRINT

E. Mechanical specifications
All dimensions shown are nominal unless otherwise specifiedWHITE MARK ON BEVEL
DESIGNATES PIN 1

PREPARED BY:

D. Rund
ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DWG CONTROL NO.
P-A1-11084
ACAD\TTC\A1110841.DWGREV
CTELECOMMUNICATION SURFACE MOUNT
DRY COUPLING TRANSFORMER**TAMURA CORPORATION OF AMERICA**
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(909) 699-1270 FAX 9096769482

TTC-203SL OR TSL203

MODEL SPECIFICATION

DIM: mm(in) SCL: 4/1 SH: 1 OF 1

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.