



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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REV. Status

ISSUE 1
11/18/94 TS

ISSUE 2
T.H.D. -82dB TYP
WAS -76dB MAX
UPDATED AGENCY
APPROVALS AND
DIMENSIONS
11/18/94 TS

ISSUE 3
ADDED
P/N TSL103
08/21/97 TS

SURFACE MOUNT TELECOMMUNICATION TRANSFORMER

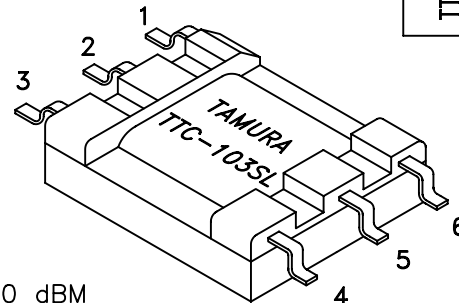
A. Electrical specifications (@ 25 ° C)

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



MODEL NUMBER

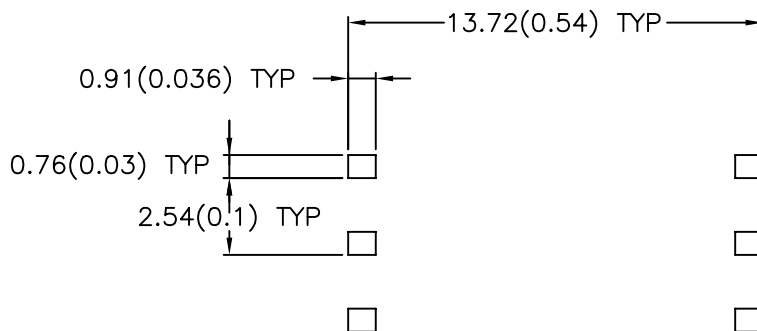
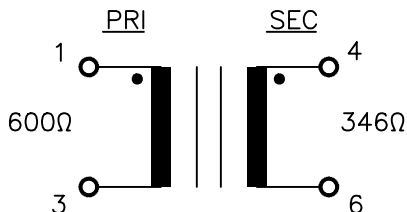
TTC-103SL or TSL103



B. Marking; TTC-103SL, TAMURA, date code and country of origin or TSL103, TAMURA and date code

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

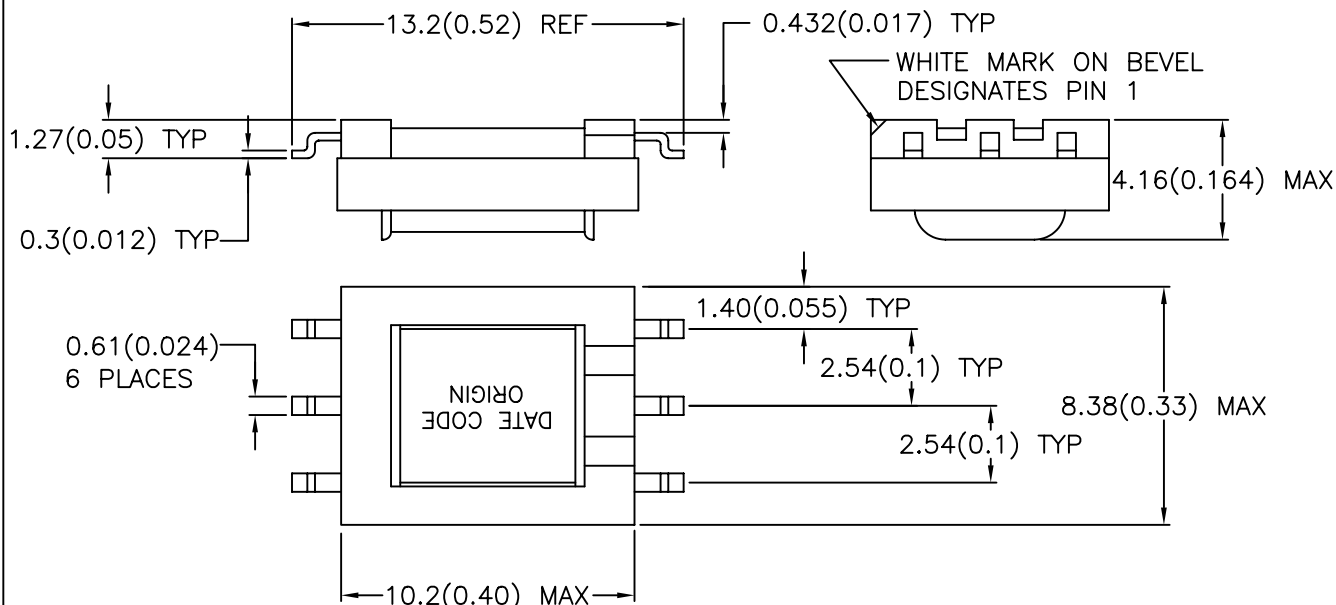
D. Schematic diagram



MOUNTING FOOTPRINT

E. Mechanical specifications

All dimensions shown are nominal unless otherwise specified



PREPARED BY: D. Kelley	DWG CONTROL NO. P-A1-11082 ACAD\TTC\A1110821.DWG	REV B	TELECOMMUNICATION SURFACE MOUNT DRY COUPLING TRANSFORMER	TTC-103SL or TSL103		
ENGINEER: T. Shiozawa	CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE			MODEL SPECIFICATION		
APPROVED: D. Kelley	TAMURA CORPORATION OF AMERICA 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624 (909) 699-1270 FAX 9096769482			DIM: mm(In)	SCL: 4/1	SH: 1 OF 1
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