



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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ENCAPSULATED TELECOMMUNICATION MODEM COUPLING TRANSFORMER
COMPATIBLE WITH V.90 TECHNOLOGIES

MODEL NUMBER
TTC-5012

REV. Status
REVISION - 12/10/01 MP
REVISION A REV'D DIMS 03/10/04 MP
REVISION B DEL SAFETY EN60950 ADDED RoHS 04/19/04 MP
REVISION C ADDED "A" CLASS TO MARKING NOTE. REV'D PIN DIMS 05/16/06 MP

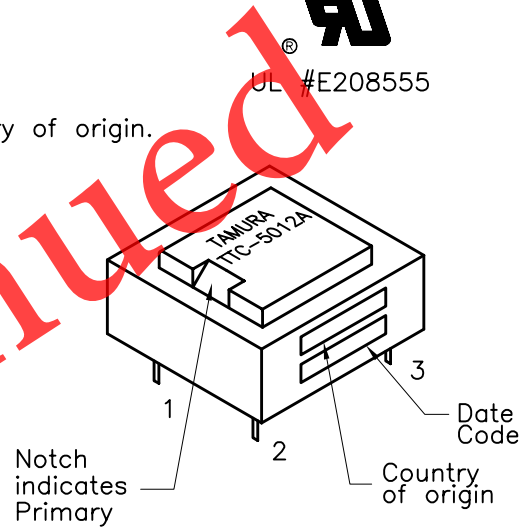
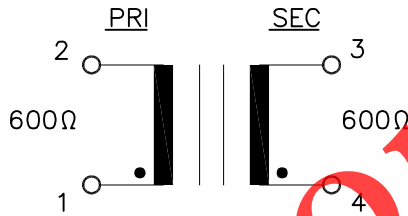
- A. Electrical Specifications (@ 25°C)
- Pri Source Impedance; 600Ω
 - Sec Load Impedance; 600Ω
 - Insertion Loss;
0.75dB MAX, 1KHz, 0dBm
 - Frequency Response (relative to 1 KHz)
±0.50dB 200Hz to 4KHz @ 0dBm
 - Longitudinal Balance;
60dB MIN @ 200Hz to 1KHz
40dB MIN @ 1KHz to 4KHz
 - Return Loss; 20dB MIN @ 1KHz, 0dBm
 - DC Resistance;
(1-2) = 25Ω ±10%
(3-4) = 21Ω ±10%
 - Turns Ratio; (1-2):(4-3) = 1:1.00±2%
 - Dielectric Strength;
3750Vrms 1 second Pri to Sec
 - Total Harmonic Distortion:
-70dB MAX @ 600Hz, -10dBm (-76.0dB TYP)



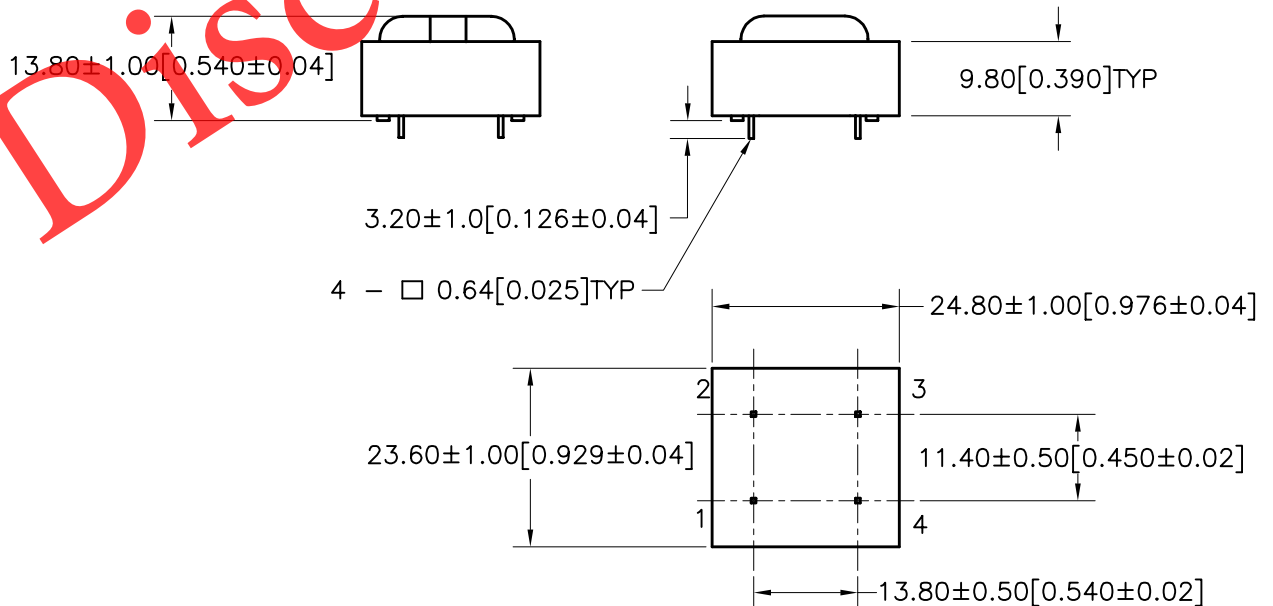
B. Marking; TTC-5012A, TAMURA, date code and country of origin.
"A" designates UL approved family classification.

C. Safety: UL 1950 3rd Edition, UL60950

D. Schematic Diagram



E. Mechanical Specifications



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ENGINEER: M. PITCHAI
QUALITY CONTROL: T. CLEM
APPROVED: Y. SEKIGUCHI

DWG CONTROL NO. P-A1-12744 ACAD\TTC\A1127441.DWG	REV C	MODEM COUPLING TRANSFORMER
TAMURA CORPORATION OF AMERICA 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624 (951) 699-1270 FAX 9516769482		

TTC-5012		
MODEL SPECIFICATION		
DIM: mm [In]	SCL: 1/1	SH: 1 OF 1

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