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REV. Status

REVISION - 01/09/92 HA
REVISION A REFORMATTED. TEMECULA WAS CARSON. ADDED SAFETY 01/11/96 TS
REVISION B ADDED RoHS UL1459 WAS UL1863 01/20/06 YS
REVISION C DIM 20.3(0.799) WAS 19.8(0.781) 10/17/06 YS

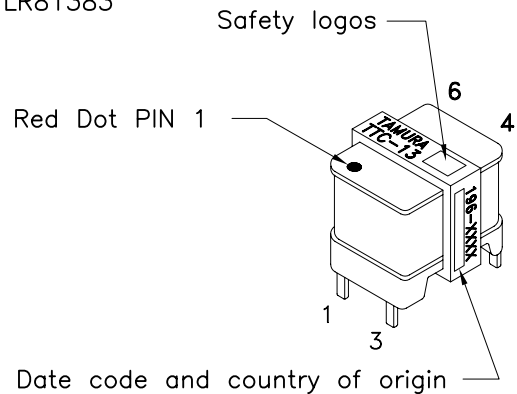
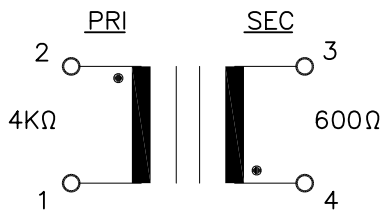
TELECOMMUNICATION DRY BRIDGING TRANSFORMER DESIGNED TO OPERATE AT A MAX LEVEL OF +7dBm AND TO REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 4KΩ WITH 600Ω LOAD ON SECONDARY

- A. Electrical Specifications (@ 25° C)
- Pri Source Impedance; 4K Ω
 - Sec Load Impedance; 600 Ω
 - Operating Level; -45 dBm to +7 dBm
 - Insertion Loss; 1.2 dB MAX @ 1 KHz, 0 dBm
 - Frequency Response; ±0.5 dB 300 Hz to 3.5 KHz @ 0 dBm
 - Primary Impedance; 4K Ω ±10% @ 300 Hz to 3.5 KHz, 0 dBm
 - Total Harmonic Distortion; 0.5% MAX @ 300 Hz to 3.5 KHz, 0 dBm
 - Longitudinal Balance; 60 dB MIN @ 200 Hz to 4 KHz
 - DC Resistance; (1-3) = 225 Ω ±20% (4-6) = 45 Ω ±20%
 - Turns Ratio; (1-3) : (4-6) = 1 : 0.397 ±2%
 - Dielectric Strength; 1500 Vrms 1 minute @ Pri to Sec, Pri to Core 1000 Vrms 1 minute @ Sec to Core

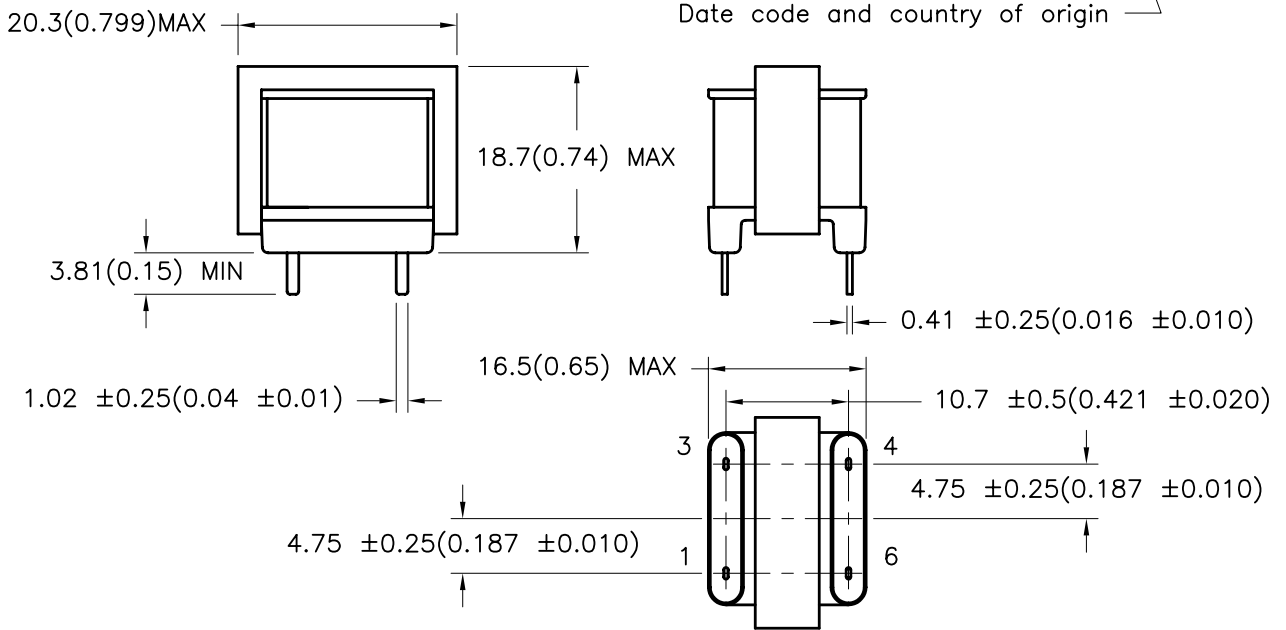


- B. Marking; TTC-13, TAMURA, date code, country of origin and safety logos
- C. Safety; CSA-22.2 No. 66-M1988 File No. LR81383 UL1459 File No. E142035

D. Schematic Diagram



E. Mechanical Specifications



TOLERANCES (mm)	
≤ 4	± 0.2
4 ≤ 20	± 0.3
20 ≤ 50	± 0.4

PREPARED BY:
K. BRENNAN

ENGINEER: Y. SEKIGUCHI	DWG CONTROL NO. P-A1-10524 ACAD\TTC\A1105241.DWG	REV C	BRIDGING TRANSFORMER	TTC-13
QUALITY CONTROL: T. CLEM	<p>CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE</p> <p>TAMURA CORPORATION OF AMERICA 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624 (951) 699-1270 FAX 9516769482</p>			MODEL SPECIFICATION
APPROVED: Y. SEKIGUCHI	<p>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.</p>			DIM: mm(In) SCL: 1/1 SH: 1 OF 1

MODEL NUMBER
TTC-13