



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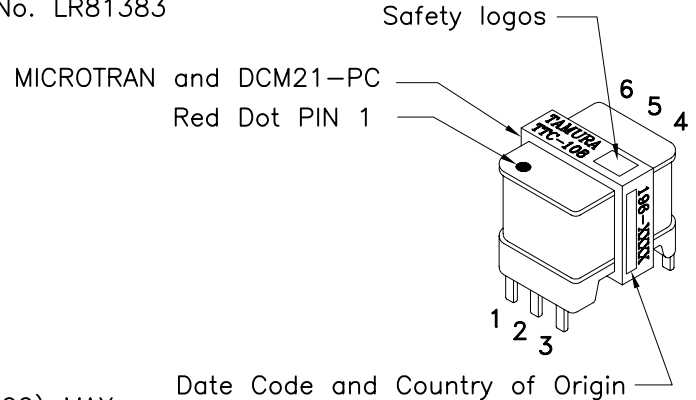
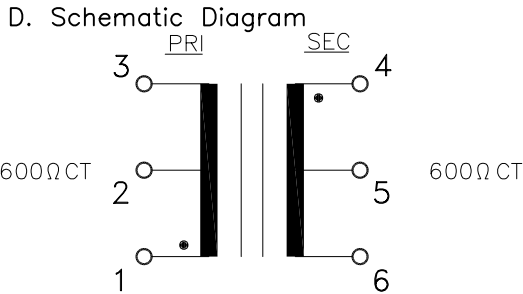
TELECOMMUNICATION DRY COUPLING TRANSFORMER DESIGNED TO OPERATE AT A MAX LEVEL OF +7dBm AND TO REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600ΩCT WITH 600ΩCT LOAD ON SECONDARY

MODEL NUMBER
TTC-108

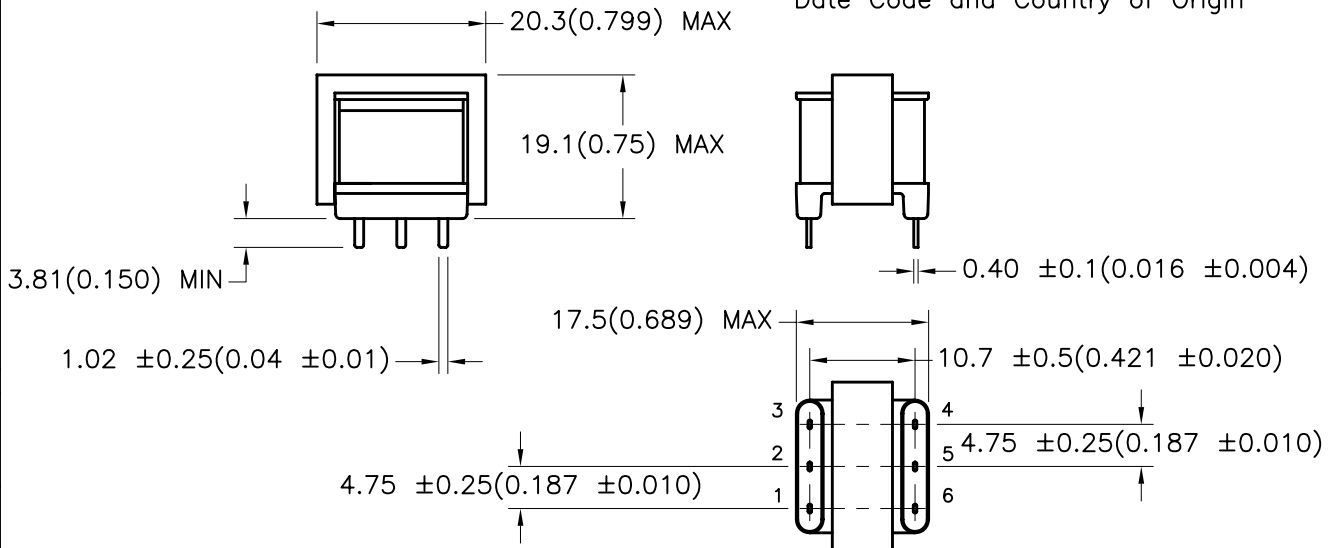
REV. Status
 REVISION A
 01/08/92 HA
 REVISION B
 TEMECULA
 WAS CARSON
 01/26/93 TS
 REVISION C
 ADDED DCM21-PC
 MICROTRAN
 AND SAFETY
 01/20/96 TS
 REVISION D
 ADDED RoHS.
 UL1459 WAS
 UL1863.
 DIM 20.3(0.799)
 WAS 19.8(0.781)
 10/17/06 MP



- A. Electrical Specifications (@ 25 ° C)
- Pri Source Impedance; 600Ω CT
 - Sec Load Impedance; 600Ω CT
 - Operating Level; -45 dBm to +7 dBm
 - Insertion Loss; 1.4 dB MAX @ 1 KHz, 0 dBm
 - Frequency Response; ±0.5 dB 300 Hz to 3.5 KHz @ 0 dBm
 - Primary Impedance; 600 Ω +15%, -5% @ 300 Hz to 3.5 KHz, 0dBm
600 Ω +10%, -5% @ 500 Hz to 2.5 KHz, 0dBm
 - Longitudinal Balance; 60 dB MIN @ 200 Hz to 1 KHz
40 dBm MIN @ 4 KHz
 - DC Resistance; (1-3) = 44 Ω ±20%
(4-6) = 56 Ω ±20%
 - Turns Ratio; (1-3) : (4-6) = 1 : 1.00 ±2%
 - Dielectric Strength; 1500 Vrms 1 minute @ Pri to Sec, and Pri to Core
1000 Vrms 1 minute @ Sec to Core
 - Total Harmonic Distortion; 0.5% MAX @ 300 Hz to 3.5 KHz, 0 dBm
 - Induced Voltage; (1-3) 250 Vrms 5 KHz 1 minute
- B. Marking; TTC-108, TAMURA, DCM21-PC, MICROTRAN, safety agency logos, 196-date code and country of origin
- C. Safety; CSA-22.2 No. 66-M1988 File No. LR81383
UL 1459 File No. E142035



E. Mechanical Specifications



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

PREPARED BY:
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ENGINEER:
M. PITCHAI

QUALITY CONTROL:
T. CLEM

APPROVED:
Y. SEKIGUCHI

DWG CONTROL NO. P-A1-10017
ACAD\TTC\A1100171.DWG

REV D TELECOMMUNICATION COUPLING TRANSFORMER

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TTC-108

MODEL SPECIFICATION

DIM: mm[In] SCL: 1/1 SH: 1 OF 1

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