



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!



Contact us

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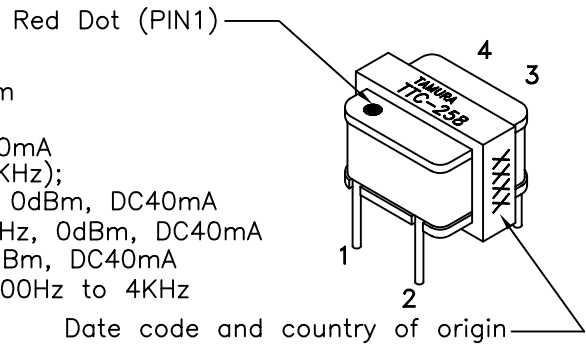
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



TELECOMMUNICATION COUPLING TRANSFORMER DESIGNED TO OPERATE AT A MAX LEVEL OF +10dBm AND TO REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600Ω WITH 600Ω LOAD ON SECONDARY

A. Electrical Specifications (@ 25°C)

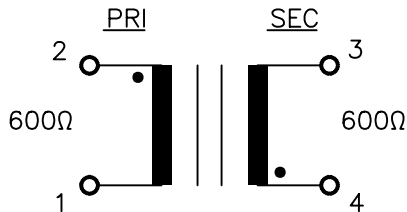
1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 600Ω
3. Pri DC Current; 40mA (1-2)
4. Operating Level; -45dBm to +10dBm
5. Insertion Loss;
 - 1.9dB MAX @ 1.8KHz, 0dBm, DC40mA
6. Frequency Response (relative to 1.8KHz);
 - +0.5,-2.5dB @ 300Hz to 3.4KHz, 0dBm, DC40mA
7. PRI Impedance; 600 Ω ±20% @ 1.8KHz, 0dBm, DC40mA
8. Return Loss; 14dB MIN @1.8KHz, 0dBm, DC40mA
9. Longitudinal Balance; 60dB MIN @ 200Hz to 4KHz
10. DC Resistance;
 - (1-2)= 77 Ω ±20%
 - (3-4)=103 Ω ±20%
11. Total Harmonic Distortion; 05% MAX @ 300Hz, 0dBm, DC40mA
12. Turns Ratio; (1-2) : (3-4) = 1 : 1.066±2%
13. Dielectric Strength;
 - 1500 Vrms, 1 minute @ Pri to Sec, Pri to Core
 - 1000 Vrms, 1 minute @ Sec to Core



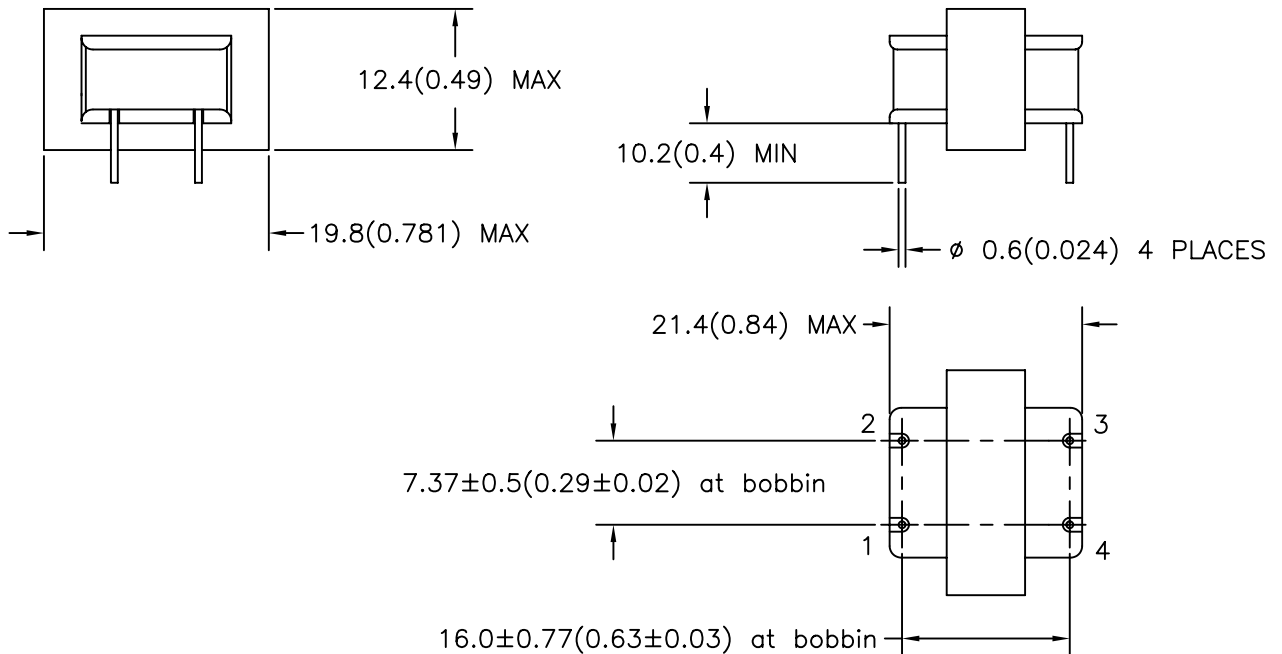
MODEL NUMBER
TTC-258

B. Marking; TTC-258, TAMURA, date code and country of origin

C. Schematic Diagram



D. Mechanical Specifications



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

PREPARED BY:

D. Kelley

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Suzuki

DWG CONTROL NO.
P-A1-10330
ACAD\TTC\A1103301.DWG

REV
C

TELECOMMUNICATION COUPLING
TRANSFORMER

TAMURA CORPORATION OF AMERICA

43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(909) 699-1270 FAX 9096769482

TTC-258

MODEL SPECIFICATION

DIM: mm(In) SCL: NONE SH: 1 OF 1

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