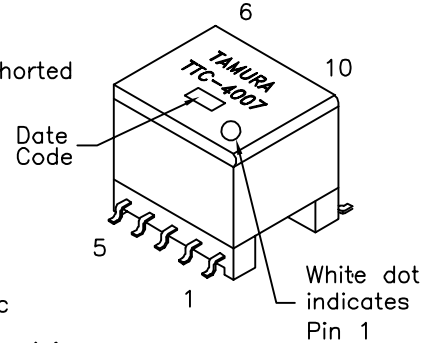


REV. Status  
 PRELIMINARY  
 01/21/00 MP  
 PRELIMINARY 1  
 CHANGED TO  
 OPEN STYLE  
 05/03/00 JC  
 PRELIMINARY 2  
 CHANGED A.7,  
 A.8, & SAFETY.  
 08/22/00 MP

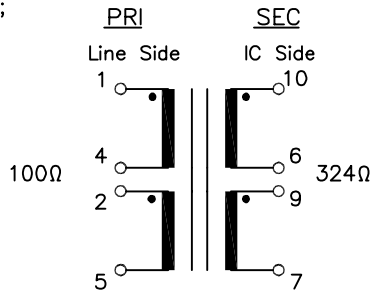
ADSL transformer designed for use with Motorola ADSL IC chip MC03AX1456RT  
 Rev. 1.3, on the CPE side

MODEL NUMBER  
**TTC-4007**

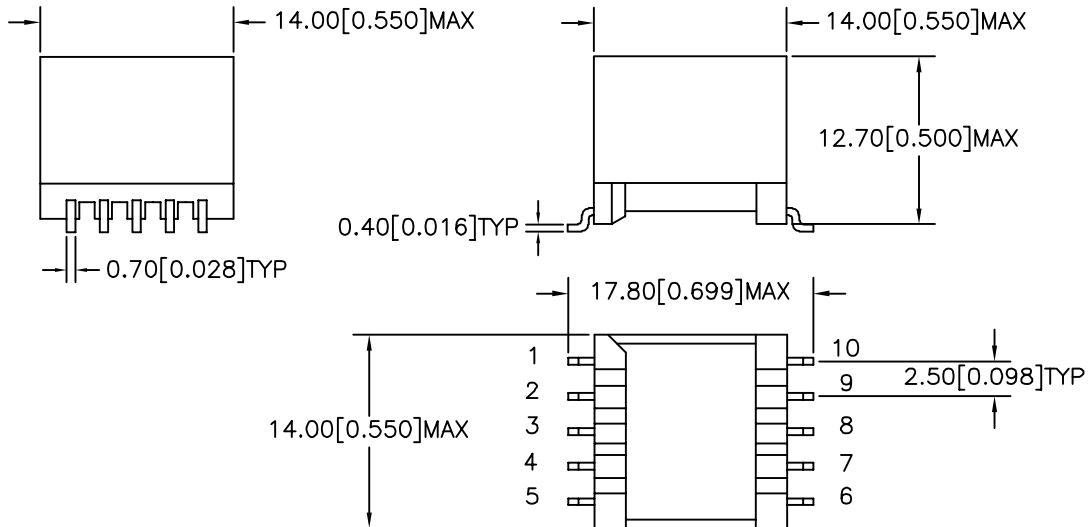
- A. Electrical Specifications (@ 25° C)
1. Primary (Line side) Impedance; 100Ω
  2. Secondary (IC side) Impedance; 324Ω
  3. Insertion Loss; 1.0dB MAX @ 772KHz 0dBm
  4. Longitudinal Balance; 38dBm MIN @ 20KHz TO 1.1MHz, 0dBm (Per ITU method pin 7 grounded)
  5. Primary Open Circuit Inductance; 3.96mH±5% @ 10KHz, 0.1Vrms Measured (1-5) with 2 and 4 shorted
  6. Leakage Inductance; 20μH MAX @ 100KHz, 0.1Vrms Measured (1-5) with 2 & 4, 6 & 9, and 7 & 10 shorted
  7. DC Resistance; (1-4)=2.40Ω MAX  
 (2-5)=2.40Ω MAX  
 (7-9)=4.70Ω MAX  
 (6-10)=3.60Ω MAX
  8. Turns Ratio; (1-5):(7-10)=1:1.80±2%  
 2 & 4, 6 & 9 shorted
  9. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec



- B. Marking; TTC-4007, TAMURA, date code and country of origin  
 C. Safety; Complies with UL1950 3rd Edition  
 D. Schematic;



E. Mechanical Specifications;



PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.  
 P-A1-12314  
 ACAD\TTC\A1123141.DWG

REV  
 PR2

ADSL  
 TRANSFORMER

**TAMURA CORPORATION OF AMERICA**  
 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
 (909) 699-1270 FAX 9096769482

**TTC-4007**

MODEL SPECIFICATION

DIM: mm(in) SCL: 2/1 SH: 1 OF 1

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