REV. Status

REVISION –
07/21/05 MP

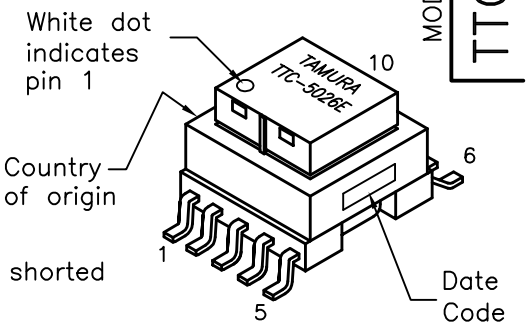
TELECOMMUNICATION SMD MODEM TRANSFORMER

MODEL NUMBER TTC-5026

UL# E208555

A. Electrical Specifications (@ 25° C)

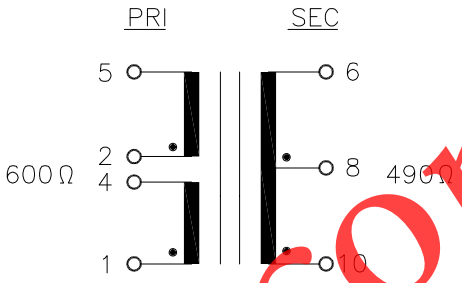
1. Primary Impedance; 600Ω
2. Secondary Impedance; 490Ω
3. Insertion Loss: 1.50dB MAX @ 1KHz, 0dBm
4. Frequency Response; ±0.30dB @ 300Hz to 3.5KHz, 0dBm
5. Longitudinal Balance;
   60dB MIN @ 200Hz to 4KHz, 0dBm
6. Primary Inductance; 1.50H MIN @ 1KHz, 1.0Vrms
   Measure (1–5) with 2 & 4 shorted
7. DC Resistance;
   (1–4)=23.8Ω ±15%
   (2–5)=23.8Ω ±15%
   (10–6)=47.8Ω ±15% with 2 & 4 shorted
8. Turns Ratio; (1–5):(10–6)=1:1.00 ±2% with 2 & 4 shorted
9. Total Harmonic Distortion;
   –70dB MAX @ 600Hz, –10dBm (–80dB TYP)
10. Dielectric Strength; 1875Vrms 1 second @ Pri–Sec

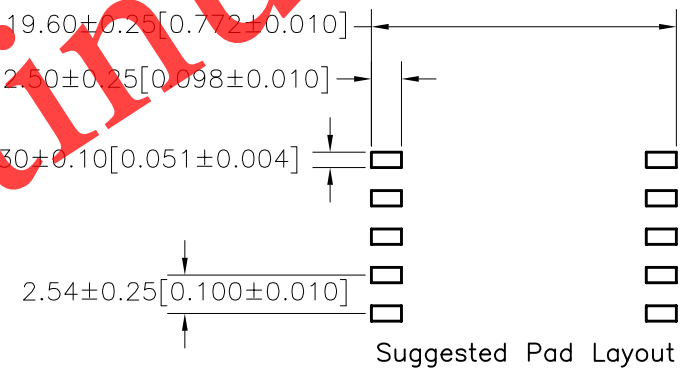


B. Marking; TTC–5026E, TAMURA, date code and country of origin
"E" designates UL approved family classification

C. Safety; UL1950 3rd Edition, UL60950

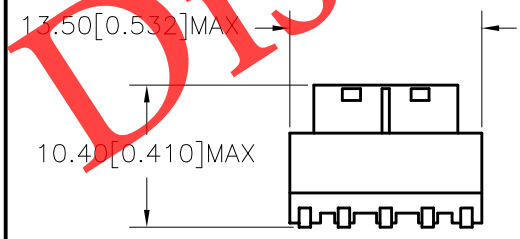
D. Schematic;

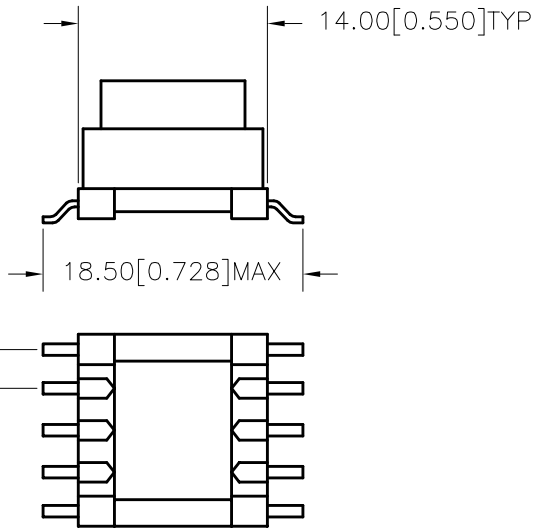




Suggested Pad Layout

E. Mechanical Specifications;





PREPARED BY: K. BRENNAN				
ENGINEER: M. PITCHAI	DWG CONTROL NO. P–A1–13143 ACAD\TTC\A1131431.DWG	REV –	TELECOMMUNICATION MODEM TRANSFORMER	TTC–5026 MODEL SPECIFICATION
QUALITY CONTROL: T. CLEM	CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		TAMURA CORPORATION OF AMERICA 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590–6624 (909) 699–1270 FAX 9096769482	DIM: mm(In) SCL: 2/1 SH: 1 OF 1
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