

REV. Status

REVISION –
11/08/01 MP

REVISION A
ADDED
A.11–A.13.
03/20/02 MP

REVISION B
ADDED PAGE 2
RELIABILITY TEST
04/23/02 MP

REVISION C
ADDED
BABT & TUV
TO MARKING
05/09/02 MP

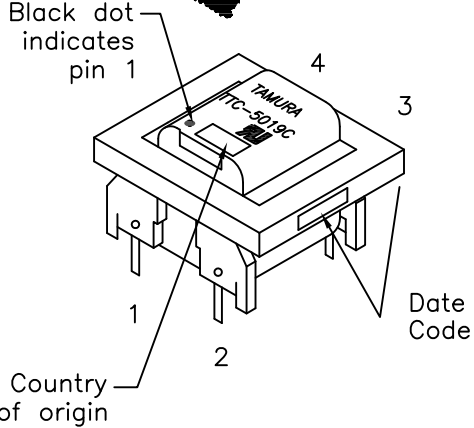
REVISION D
DELETED BABT
05/07/05 MP

REVISION E
ADDED RoHS
TUV REMOVED
UPDATED SAFETY
04/13/10 MP

REVISION F
REMOVED
OPERATING,
STORAGE TEMP,
FCC & PAGE 2.
05/18/10 MP

TELECOMMUNICATION MODEM COUPLING TRANSFORMER FOR DC Bias ('WET') APPLICATION

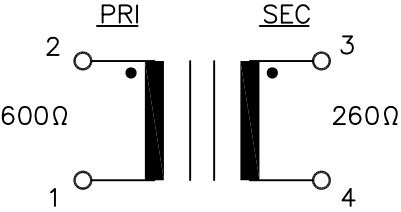
- A. Electrical Specifications (@ 25°C)
1. Pri Source Impedance; 600Ω
 2. Sec Load Impedance; 260Ω
 3. Insertion Loss;
4.0dB MAX @ 1KHz, 0dBm, DC 50mA
 4. Frequency Response (relative to 1KHz)
±2.5dB @ 200Hz to 4KHz, 0dBm, DC 50mA
 5. Longitudinal Balance;
60dB MIN @ 60Hz to 1KHz
40dB MIN @ 1KHz to 4KHz
 6. Return Loss; 8dB MIN @ 200Hz to 4KHz, 0dBm
 7. DC Resistance;
(1–2)= 170Ω ±10%
(3–4)= 170Ω ±10%
 8. Turns Ratio; (1–2):(4–3) = 1:1.00±2%
 9. Dielectric Strength;
1875Vrms 1 second @ Pri to Sec
 10. Total Harmonic Distortion;
–60dB TYP @ 600Hz, –10dBm



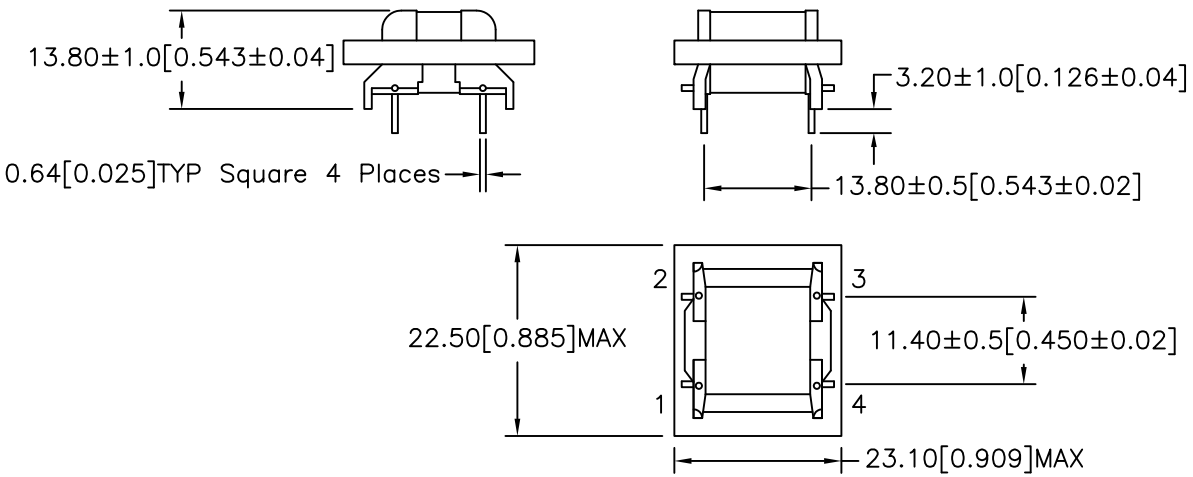
MODEL NUMBER

TTC-5019

- B. Soldering temperature; 260 C MAX for 10 sec MAX
- C. Reliability Test; Refer to page 2
- D. Marking; TTC-5019C, TAMURA, date code and country of origin
"C" designates UL approved family classification.
- E. Safety; UL1950 3rd Edition, UL FILE E208555, CSA C22.2 No.950–95.
- F. Schematic Diagram;



G. Mechanical Specifications;



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DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
P-A1-12503	F	MODEM COUPLING TRANSFORMER	TTC-5019
CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		TAMURA CORPORATION OF AMERICA	
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