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

A. Electrical Specifications (@ 25 °C)
1. Pri Source Impedance; 600 Ω CT
2. Sec Load Impedance; 600 Ω CT
3. Operating Level; -45 dBm to +7 dBm
4. Insertion Loss; 1.2 dB MAX @ 1 KHz, 0 dBm
5. Frequency Response; ±0.5 dB 300 Hz to 3.5 KHz @ 0 dBm
6. Primary Impedance; 600 Ω ±10% @ 300 Hz to 3.5 KHz, 0 dBm
7. Total Harmonic Distortion; 0.5% MAX @ 300 Hz to 3.5 KHz, 0 dBm
8. Return Loss; 22 dB MIN (ERL measurement) 26 dB TYP
9. Longitudinal Balance;
   60 dB MIN @ 200 Hz to 1 KHz
   40 dB MIN @ 4 KHz
10. DC Resistance;
    (1-3)= 36 Ω ±20%
    (4-6)= 50 Ω ±20%
11. Turns Ratio; (1-3) : (4-6) = 1 : 1.03 ±2%
12. Dielectric Strength;
    1500 Vrms 1 minute @ Pri to Sec, Pri to Core
    1000 Vrms 1 minute @ Sec to Core

B. Marking; TTC-09, TAMURA, T2106, MICROTRAN, date code and country of origin
C. Safety; CSA-C22.2 No. 66-M1988 File No. LR81383
   UL 1459 File No. E142035

D. Schematic Diagram

E. Mechanical Specifications

ROHS COMPLIANT

UL # E142035

MICROTRAN
T2106

Safety logos

Red dot PIN 1