TELECOMMUNICATION COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 50mW MAX IN SECONDARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600Ω CT WITH 600Ω CT LOAD ON SECONDARY.

A. Electrical Specifications (20 °C)
1. Pri Source Impedance; 600Ω CT
2. Sec Load Impedance; 600Ω CT
3. Pri DC Current; 3 mA MAX
4. Operating Level; 50 mW MAX @ 300 Hz
5. Frequency Response (relative to 1 kHz);
   ±2.0 dB, @ 300 Hz to 100 kHz
6. Longitudinal Balance; 60 dB MIN @ 1 kHz
7. DC Resistance;
   (1–3) 70Ω ±20%
   (4–6) 95Ω ±20%
8. Turns Ratio; (1–3) : (4–6) = 1 : 1.00 ±2%
9. Dielectric Strength;
   60Hz 1KVrms 0.5 minute @ Pri – Sec

B. Marking; MET-31, TAMURA, Primary and Secondary Impedance, PM34-M, MICROTRAN, TF5S21ZZ, date code and country of origin

C. Operating Temperature: -20 to +85°C
   Storage Temperature: -55 to +105°C

D. Schematic Diagram

E. Mechanical Specifications

<table>
<thead>
<tr>
<th>11.80(0.465) MAX</th>
<th>7.87(0.31) MAX</th>
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<tbody>
<tr>
<td>0.50±0.25(0.02±0.01)</td>
<td>2.50±0.25(0.10±0.01) TYP</td>
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<tr>
<td>19.0(0.75) MIN (6 PLACES)</td>
<td>10.4(0.41) MAX</td>
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TOLERANCES (mm)
≤ 4 ± 0.2
4 ± 20 ± 0.3
20 ± 50 ± 0.4

PREPARED BY:
C. POPPE