TELECOMMUNICATION COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 50mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600Ω WITH 600Ω CT, 150Ω SPLIT LOAD ON SECONDARY.

A. Electrical Specifications (Ø 20 °C)
1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 600Ω CT, 150Ω SPLIT
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;
   (1–2) 70Ω ±20%
   (3–6) 95Ω ±20%
8. Turns Ratio; (1–2) : (3–4) : (5–6) = 2 : 1.00 : 1.00 ±2%
9. Dielectric Strength;
   1000 Vrms 0.5 minute @ Pri – Sec

B. Marking: MET-59, TAMURA, Primary and Secondary Impedance, pin numbers, 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

TOLERANCES (mm)
≤ 4 ± 0.2
4 ≤ 20 ± 0.3
20 ≤ 50 ± 0.4

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