Date code, and country of origin

REV. Status

REVISION 09/01/95 TS

> REVISION A ADDED RoHS 12/01/05 MP

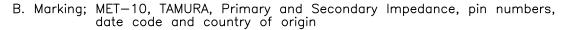
REVISION B ADDED TEMP **RATING** 4/29/15 MP TELECOMMUNICATION COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 40mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 10KΩCT WITH 4KΩCT LOAD ON SECONDARY.

- A. Electrical Specifications (@ 20°C)
  - 1. Pri Source Impedance; 10KΩ CT
  - 2. Sec Load Impedance;  $4K\Omega$  CT
  - 3. Pri DC Current; 1 mA MAX
  - 4. Operating Level; 40 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:

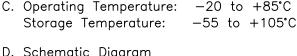
1-3)  $1000 \Omega \pm 20\%$ (4-6) 500 $\Omega$  ±20%

- 8. Turns Ratio; (1-3): (4-6) = 1.58 : 1 ±2%
- 9. Dielectric Strength;

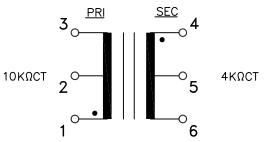
500 Vrms 0.5 minute @ Pri - Sec



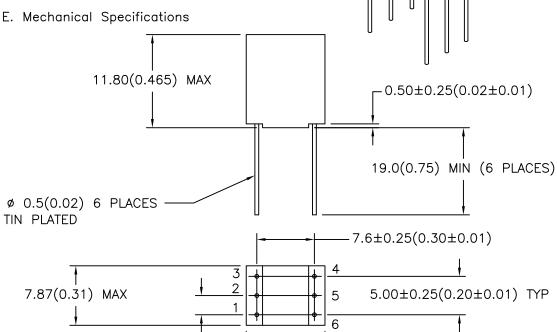
M<sub>ET-10</sub> 1-3 10 KQCT  $T_{AMURA}$ 



D. Schematic Diagram



 $2.50\pm0.25(0.10\pm0.01)$  TYP -



TOLERANCES (mm)  $4 \pm 0.2$  $4 \le 20 \pm 0.3$  $20 \le 50 \pm 0.4$ 

PREPARED BY:

POPPE

| 0. 1 01 1 2     |                           |       |  |                     |               |          |   |
|-----------------|---------------------------|-------|--|---------------------|---------------|----------|---|
| ENGINEER:       | DRAWING CONTROL NO.       | REV   | MODEL DESCRIPTION  | MODEL SPECIFICATION |               |          |   |
| MATHI P.        | P-A1-11405                | В     | AUDIO COUPLING<br>MINIATURE ENCAPSULATED XFMR  | l .                 | MFT—1         | 10       |   |
| SAFETY ENGINEER | CONTENTS OF THIS DRAWIN   |       |  |                     |               |          |   |
|                 | PRIOR NOTICE              | IHOUI | 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029<br>(951) 699-1270 FAX 7607400536 | DIM: mm[ln]         | SCL: 2/1      | SH: 1 OF | 1 |
| APPROVED:       | DDODDIETADY MOTION THE DD |       | NOWE OF BOOKINGS AND OUR LEST MATTER BIGGLOOFS HE                                      | DEIN ADE DOOR       | DIETADY ITEMS |          |   |

M. PITCHAI

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-10.4(0.41)MAX