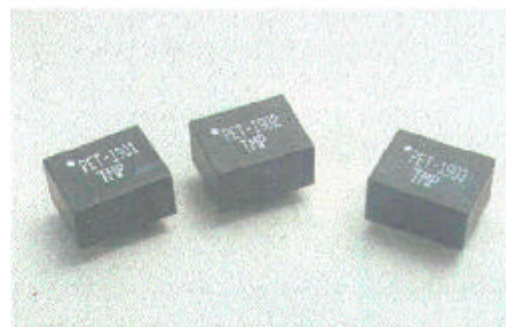


# MODEM TRANSFORMER

MODEL NO. : PET-1901/PET-1902  
/PET-1903



SAFETY:  
E182364 

## ELECTRICAL SPECIFICATION:

| MODEL NO                                           | PET-1901                         | PET-1902                         | PET-1903                         |
|----------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| SUITABLE FOR MODEM SPEEDS UP TO:                   | V.32 bis                         | V.34                             | V.34 bis<br>(33.6 Kbps)          |
| COMPATIBLE WITH MIDCOM:                            | 671-8248                         | 671-8334                         |                                  |
| IMPEDANCE RATIO (PRI : SEC)                        | 600Ω:487Ω                        | 600Ω:422Ω                        | 600Ω:374Ω                        |
| DC RESISTANCE(±10%)                                | PRI:67Ω<br>SEC:67Ω               | PRI:108Ω<br>SEC:108Ω             | PRI:115Ω<br>SEC:115Ω             |
| INDUCTANCE @ 1KHZ, 0.1VRMS                         | 1.6H MIN                         | 2.5H MIN                         | 2.9H MIN                         |
| TURN RATIO                                         | 1:1                              | 1:1                              | 1:1                              |
| INSERTION LOSS @ 1KHZ, 0dBm                        | 1.2dB±0.2dB                      | 1.9dB±0.4dB                      | 1.9dB±0.4dB                      |
| RETURN LOSS @ 200HZ<br>@ 1KHZ<br>@ 4KHZ            | 27dB MIN<br>22dB MIN<br>13dB MIN | 28dB MIN<br>21dB MIN<br>11dB MIN | 28dB MIN<br>20dB MIN<br>10dB MIN |
| LONGITUDINAL BALANCE @ 200HZ ~ 4KHZ                | 80dB MIN                         | 80dB MIN                         | 80dB MIN                         |
| DC UNBALANCE CURRENT                               | 0mA                              | 0mA                              | 0mA                              |
| TOTAL HARMONIC DISTORTION(THD)<br>@600HZ, -10dBm   | -80dB MAX                        | -84dB MAX                        | -86dB MAX                        |
| FREQUENCY RESPONSE<br>@ 200HZ TO 4KHZ, REF TO 1KHZ | ±0.20dB                          | ±0.25dB                          | +0.25dB<br>-0.35dB               |
| HI-POT (VAC FOR 2 SECONDS) PRI : SEC               | 3750 VAC                         | 3750 VAC                         | 3750 VAC                         |
|                                                    |                                  |                                  |                                  |