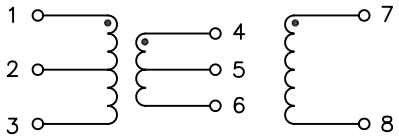
NOTICE: THE INFORMATION AND DESIGN CONTAINED HEREIN IS THE PROPERTY OF PULSE WHO RESERVES ALL RIGHTS THERETO.

TEST NOTES:
UNLESS OTHERWISE SPECIFIED, TESTING IS PERFORMED AT 25°C ±5°C.

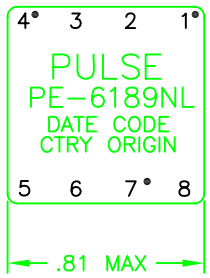
1. TURNS RATIO: 26:26:4:4:1210 ±5%
2. POLARITY: PER SCHEMATIC
3. INSULATION RESISTANCE:
   (1-3) TO (7-8) = 10 KMEGOHMS MINIMUM AT 500 Vdc
   (4-6) TO (7-8) = 10 KMEGOHMS MINIMUM AT 500 Vdc
   (1-3) TO (4-6) = 10 KMEGOHMS MINIMUM AT 100 Vdc
4. HIPOT:
   2500 VRMS (1-3) TO (7-8) AND (4-6) TO (7-8)
   100 VRMS (1-3) TO (4-6)
5. FUNCTIONAL TEST:
   - 5.1 SET UP EQUIPMENT PER TEST SET-UP OF FIGURE 4, SHEET 3
   - 5.2 PLUG STANDARD UNIT INTO FIXTURE C-JM-17061
   - 5.3 ADJUST POWER SUPPLY UP TO 28 Vdc
   - 5.4 DECREASE THE RESISTANCE OF THE DECADE BOX STARTING FROM THE LARGEST DECADE UNTIL FULL LOAD CURRENT OF 4 mA IS REACHED. APPROXIMATE R_L = 312 KOHMS - 10 WATTS.
   - 5.5 THE OUTPUT VOLTAGE SHALL BE: 1250 V NOM.
   - 5.6 ALL SUBSEQUENT UNITS TESTED SHALL HAVE AN OUTPUT VOLTAGE BETWEEN 1125 V MINIMUM AND 1375 V MAXIMUM

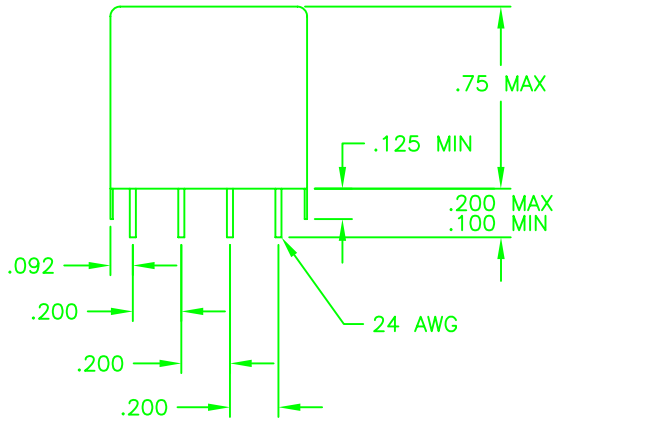
∗6. INDUCED VOLTAGE TEST: APPLY 28 VRMS TO LEADS 1, 2 AT A FREQUENCY ABOVE THE FREQUENCY OF SELF OSCILLATION (SUGGEST 50 KHz) FOR 15 SECONDS. MONITOR INPUT CURRENT AND OBSERVE THAT ABRUPT CHANGES DO NOT OCCUR. RADICAL OR ABRUPT CHANGES INDICATE ARCING OR BREAKDOWN. CURRENT MONITORING SHOULD BE ACCOMPLISHED BY A SERIES RESISTOR OR OTHER SUITABLE MEANS. IF A RESISTOR IS USED A HIGH IMPEDANCE SCOPE OR VTVM SHOULD BE USED AS A MONITORING DEVICE.
(∗ REF ONLY DUPLICATED CONDITIONS OF TEST NOTE 5)

7. IMAG = 20 mA MINIMUM - 70 mA MAXIMUM
   E = 15 V, tW = 20 uS, Prr = 1 KHz
   USE STD. TRANSISTOR SWITCH
8. LL: (1-3) TO (7-8) SHORT = 14 uH MAXIMUM
   100 KHz AT .02 VRMS ON HP-4277A
9. CWW: (1-3) TO (4-6) = 27 pF MAXIMUM
   (1-3) TO (7-8) = 17 pF MAXIMUM
   100 KHz AT .02 VRMS ON HP-4277A
10. DCR:
    (1-3) = .78 OHMS MAXIMUM
    (4-6) = .15 OHMS MAXIMUM
    (7-8) = 480 OHMS MAXIMUM



SCHEMATIC





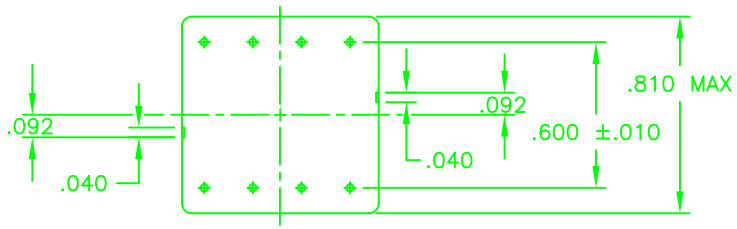


FIGURE 5 - FINAL OUTLINE

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
DECIMALS .XX ±.01 .XXX ±.005
ANGLES ± 1°
DO NOT SCALE DRAWING

SIZE	CAGE CODE	DWG. NO.	REV
B	01961	PE-6189NL	11
SCALE NONE	CADD FILE PE-6189NL-4	SHEET 4 OF 4	

12OCT2004