





|                                      |                 |     |
|--------------------------------------|-----------------|-----|
| Unison Research "TRIODE 20"          |                 |     |
| Title                                |                 |     |
| PIAA                                 |                 |     |
| Size                                 | Document Number | REV |
| A                                    | 3               | 1   |
| Date: November 13, 1991 Sheet 1 of 1 |                 |     |





R1 = R4 = R31 = 464 K 2/3 M 1%  
 R2 = R13 = R16 = 1K2 2/3 M 1%  
 R3 = 56 K 2M  
 R5 = R28 = 220 K 1M  
 R6 = 3K 2/3 M 1%  
 R7 = 560 2/3 M 1%  
 R8 = 2K7 2/3 M 1%  
 R9 = 147 K 2/3 M 1%  
 R10 = 27 K 2M  
 R11 = R12 = 22 K 1 M  
 R14 = R15 = 221 K 2/3 M 1%  
 R17 = R19 = 10 K 2/3 M 1%  
 R18 = 10 K TRIMMER  
 R20 = 20 KA X 2 POT  
 R21 = R24 = 1K5 2M  
 R22 = R23 = 10 3 M WIRE  
 R26 = 46.4 K 2/3 M 1%  
 R27 = 5M6  
 R29 = 121 K 2/3 M 1%  
 R30 = 15 K 2/3 M 1%  
 R32 = 220 2/3 M 1%  
 R33 = R34 = 3K9 2/3 M 1%  
 R35 = 2 X 2K2 3 M WIRE  
 R36 = R37 = 10 4 M  
 R38 = R39 = 47 K 2 M  
 R40 = 321 K 2/3 M 1%  
 R41 = 4K7 1 M  
 R42 = R43 = R44 = R45 = 100 2 M  
 R46 = 0,22 5 M

C1 = C13 = 0,47u 100v  
 C2 = C7 = 100pF  
 C3 = C23 = C24 = 100uF 385v  
 C4 = C8 = C9 = C15 = C18 = 0,47u 400v  
 C5 = C26 = C30 = 0,1 u 250 v  
 C6 = C19 = 100u 16v  
 C10 = C27 = 22u 50v  
 C11 = 2K2 P 630v  
 C12 = 1Kp 630v  
 C14 = 220pF  
 C16 = 22,5nF  
 C17 = 7,2nF  
 C20 = C21 = 470u 400v  
 C22 = 0,1uF 630v  
 C25 = 470uF 16v  
 C28 = C29 = 100u 100v  
 C31 = C33 = 10 Ku 16v  
 C32 = 33n

D1 = D2 = D3 = D4 = BY 255  
 D5 = D6 = 1N4007  
 P1 = 200v 1A  
 P2 = 600v 6A  
 IC1 = NE 555  
 RL1 = V8 12 STBU  
 MQ = MILLIAMPEROMETER  
 V1 = V2 = V3 = V4 = EL 34  
 V5 = V7 = V8 = V10 = ECC82  
 V6 = V9 = ECC83

|                                      |                 |   |     |
|--------------------------------------|-----------------|---|-----|
| Unison Research " TRIODE 20 "        |                 |   |     |
| Title                                |                 |   |     |
| COMPONENT LIST                       |                 |   |     |
| Size                                 | Document Number | 4 | REV |
| A                                    |                 |   |     |
| Date: November 13, 1991 Sheet 1 of 1 |                 |   |     |