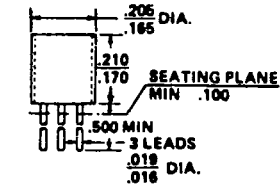
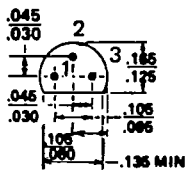
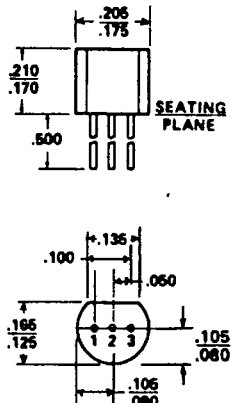
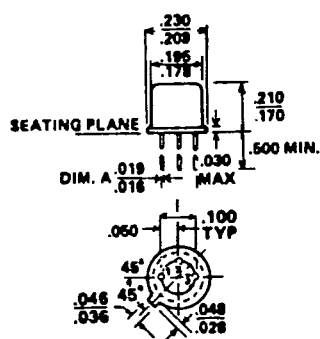
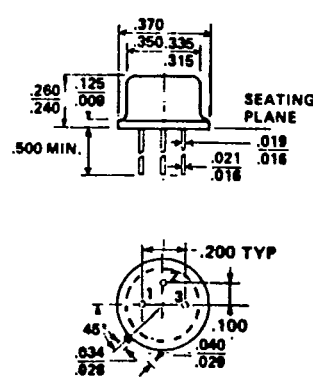
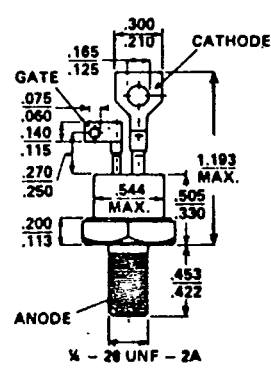


## Unijunction Transistors

| WALBERN<br>TYPE | $R_{BB}$<br>INTERBASE<br>RESISTANCE<br>(K $\Omega$ ) | $\eta$<br>INTRINSIC<br>STANDOFF<br>RATIO | $I_V$<br>VALLEY<br>CURRENT<br>MIN (mA) | $I_P$<br>PEAK POINT<br>EMITTER<br>CURRENT<br>MAX ( $\mu$ A) | $I_{EB20}$<br>EMITTER<br>REVERSE<br>CURRENT<br>MAX ( $\mu$ A) | $V_{OB1}$<br>PEAK PULSE<br>OUTPUT<br>MIN (V) | PACKAGE     |
|-----------------|------------------------------------------------------|------------------------------------------|----------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------|-------------|
| 2N489           | 4.7-6.8                                              | .51-.62                                  | 8                                      | 12                                                          | 2                                                             | -                                            | TO-5 (MOD)  |
| 2N489A          |                                                      |                                          |                                        | 12                                                          | 2                                                             | 3                                            |             |
| 2N489B          |                                                      |                                          |                                        | 6                                                           | .2                                                            | 3                                            |             |
| 2N490           | 6.2-9.1                                              | .51-.62                                  | 8                                      | 12                                                          | 2                                                             | -                                            |             |
| 2N490A          |                                                      |                                          |                                        | 12                                                          | 2                                                             | 3                                            |             |
| 2N490B          |                                                      |                                          |                                        | 6                                                           | .2                                                            | 3                                            |             |
| 2N490C          | 4.7-6.8                                              | .56-.68                                  | 8                                      | 2                                                           | .02                                                           | 3                                            |             |
| 2N491           |                                                      |                                          |                                        | 12                                                          | 2                                                             | -                                            |             |
| 2N491A          |                                                      |                                          |                                        | 12                                                          | 2                                                             | 3                                            |             |
| 2N491B          | 6.2-9.1                                              | .56-.68                                  | 8                                      | 6                                                           | .2                                                            | 3                                            |             |
| 2N492           |                                                      |                                          |                                        | 12                                                          | 2                                                             | -                                            |             |
| 2N492A          |                                                      |                                          |                                        | 12                                                          | 2                                                             | 3                                            |             |
| 2N492B          | 4.7-6.8                                              | .62-.75                                  | 8                                      | 6                                                           | .2                                                            | 3                                            |             |
| 2N492C          |                                                      |                                          |                                        | 2                                                           | .02                                                           | 3                                            |             |
| 2N493           |                                                      |                                          |                                        | 12                                                          | 2                                                             | -                                            |             |
| 2N493A          | 6.2-9.1                                              | .62-.75                                  | 8                                      | 12                                                          | 2                                                             | 3                                            |             |
| 2N493B          |                                                      |                                          |                                        | 6                                                           | .2                                                            | 3                                            |             |
| 2N494           |                                                      |                                          |                                        | 12                                                          | 2                                                             | -                                            |             |
| 2N494A          | 4.7-9.1                                              | .47-.62                                  | 8                                      | 12                                                          | 2                                                             | 3                                            |             |
| 2N494B          |                                                      |                                          |                                        | 6                                                           | .2                                                            | 3                                            |             |
| 2N494C          |                                                      |                                          |                                        | 2                                                           | .02                                                           | 3                                            |             |
| 2N1671          | 4.0-12.0                                             | .47-.80                                  | 8                                      | 25                                                          | 12                                                            | -                                            |             |
| 2N1671A         |                                                      |                                          |                                        | 25                                                          | 12                                                            | 3                                            |             |
| 2N1671B         |                                                      |                                          |                                        | 6                                                           | .2                                                            | 3                                            |             |
| 2N1671C         | 4.7-9.1                                              | .47-.80                                  | 8                                      | 2                                                           | .02                                                           | 3                                            |             |
| 2N2160          |                                                      |                                          |                                        | 25                                                          | 12                                                            | 3                                            |             |
| 2N2417          | 4.7-6.8                                              | .51-.62                                  | 8                                      | 12                                                          | 2                                                             | -                                            | TO-18 (MOD) |
| 2N2417A         |                                                      |                                          |                                        | 12                                                          | 2                                                             | 3                                            |             |
| 2N2417B         |                                                      |                                          |                                        | 6                                                           | .2                                                            | 3                                            |             |
| 2N2418          | 6.2-9.1                                              | .51-.62                                  | 8                                      | 12                                                          | 2                                                             | -                                            |             |
| 2N2418A         |                                                      |                                          |                                        | 12                                                          | 2                                                             | 3                                            |             |
| 2N2418B         |                                                      |                                          |                                        | 6                                                           | .2                                                            | 3                                            |             |
| 2N2419          | 4.7-6.8                                              | .56-.68                                  | 8                                      | 12                                                          | 2                                                             | -                                            |             |
| 2N2419A         |                                                      |                                          |                                        | 12                                                          | 2                                                             | 3                                            |             |
| 2N2419B         |                                                      |                                          |                                        | 6                                                           | .2                                                            | 3                                            |             |
| 2N2420          | 6.2-9.1                                              | .56-.68                                  | 8                                      | 12                                                          | 2                                                             | -                                            |             |
| 2N2420A         |                                                      |                                          |                                        | 12                                                          | 2                                                             | 3                                            |             |
| 2N2420B         |                                                      |                                          |                                        | 6                                                           | .2                                                            | 3                                            |             |
| 2N2421          | 4.7-6.8                                              | .62-.75                                  | 8                                      | 12                                                          | 2                                                             | -                                            |             |
| 2N2421A         |                                                      |                                          |                                        | 12                                                          | 2                                                             | 3                                            |             |
| 2N2421B         |                                                      |                                          |                                        | 6                                                           | .2                                                            | 3                                            |             |
| 2N2422          | 6.2-9.1                                              | .62-.75                                  | 8                                      | 12                                                          | 2                                                             | -                                            |             |
| 2N2422A         |                                                      |                                          |                                        | 12                                                          | 2                                                             | 3                                            |             |
| 2N2422B         |                                                      |                                          |                                        | 6                                                           | .2                                                            | 3                                            |             |
| 2N2646          | 4.7-9.1                                              | .56-.75                                  | 4                                      | 5                                                           | 12                                                            | 3                                            |             |
| 2N2647          | 4.7-9.1                                              | .68-.82                                  | 8                                      | 2                                                           | .2                                                            | 6                                            |             |
| 2N3980          | 4.0-8.0                                              | .68-.82                                  | 1                                      | 2                                                           | .01                                                           | 6                                            |             |
| 2N4851          | 4.7-9.1                                              | .56-.75                                  | 2                                      | 2                                                           | .1                                                            | 3                                            |             |
| 2N4852          |                                                      | .70-.85                                  | 4                                      | 2                                                           | .1                                                            | 5                                            |             |
| 2N4853          |                                                      | .70-.85                                  | 6                                      | 4                                                           | .05                                                           | 6                                            |             |
| 2N4947          | 4.0-9.1                                              | .51-.69                                  | 4                                      | 2                                                           | .01                                                           | 3                                            |             |
| 2N4948          | 4.0-12.0                                             | .55-.82                                  | 2                                      | 2                                                           | .01                                                           | 6                                            |             |
| 2N4949          | 4.0-12.0                                             | .74-.86                                  | 2                                      | 1                                                           | .01                                                           | 3                                            |             |
| 2N4870          | 4.7-9.1                                              | .56-.75                                  | 2                                      | 5                                                           | 1                                                             | 3                                            | TO-92       |
| 2N4871          |                                                      | .70-.85                                  | 4                                      | 5                                                           | 1                                                             | 5                                            |             |
| P2646           |                                                      | .56-.75                                  | 4                                      | 5                                                           | 12                                                            | 3                                            |             |
| P2647           | 4.0-9.1                                              | .68-.82                                  | 4                                      | 5                                                           | 1                                                             | 5                                            |             |
| W4891           |                                                      | .51-.69                                  | 5                                      | 5                                                           |                                                               | 3                                            |             |
| W4892           |                                                      | .55-.82                                  | 2                                      | 2                                                           | .01                                                           | 3                                            |             |
| W4893           | 4.0-12.0                                             | .55-.82                                  | 2                                      | 2                                                           |                                                               | 6                                            |             |
| W4894           | 4.0-12.0                                             | .74-.86                                  | 1                                      | 1                                                           |                                                               | 3                                            |             |

## Packaging Information

|                          |                                                                                                                                                                        |                                                                                     |                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------|
| PACKAGING<br>INFORMATION | 1. CATHODE<br>2. GATE<br>3. ANODE                                                                                                                                      | SCR<br>1. CATHODE<br>2. GATE<br>3. ANODE                                            | TRIAC<br>1. MT 1<br>2. GATE<br>3. MT 2 |
|                          | <br> |  |                                        |
|                          | TO-18 (PLASTIC)                                                                                                                                                        | TO-92                                                                               |                                        |

|                                                                                     |                                                                                     |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1. CATHODE<br>2. GATE<br>3. ANODE                                                   | SCR<br>1. CATHODE<br>2. GATE<br>3. ANODE                                            | TRIAC<br>1. MT 1<br>2. GATE<br>3. MT 2                                                |
|  |  |  |
| TO-18                                                                               | TO-39                                                                               | TO-48D                                                                                |