

# Zener Regulator Diodes

**Microsemi**  
Products Protected by Patents

| Part Number    | Microsemi Division | Package Outline | Type | Mil Spec | Data Sheet ID | Power (W) | Vz (V) | Izt (mA) | Zzt (Ω) | Zzk (Ω) | IR (uA) | VR (V) | Tol. (+/-%) |
|----------------|--------------------|-----------------|------|----------|---------------|-----------|--------|----------|---------|---------|---------|--------|-------------|
| JAN1N4972US    | Santa Ana          | E SQ. MELF      | SM   | 356      | 7492          | 5         | 39     | 30       | 14      | 230     | 2       | 29.7   | 5           |
| JANS1N4972     | Santa Ana          | E               | STD  | 356      | 8519          | 5         | 39     | 30       | 14      | 230     | 2       | 29.7   | 5           |
| JANS1N4972US   | Santa Ana          | E SQ. MELF      | SM   | 356      | 22011         | 5         | 39     | 30       | 14      | 230     | 2       | 29.7   | 5           |
| JANTX1N4972    | Santa Ana          | E               | STD  | 356      | 9245          | 5         | 39     | 30       | 14      | 230     | 2       | 29.7   | 5           |
| JANTX1N4972US  | Santa Ana          | E SQ. MELF      | SM   | 356      | 9246          | 5         | 39     | 30       | 14      | 230     | 2       | 29.7   | 5           |
| JANTXV1N4972   | Santa Ana          | E               | STD  | 356      | 10705         | 5         | 39     | 30       | 14      | 230     | 2       | 29.7   | 5           |
| JANTXV1N4972US | Santa Ana          | E SQ. MELF      | SM   | 356      | 10706         | 5         | 39     | 30       | 14      | 230     | 2       | 29.7   | 5           |
| SMBG5366B      | Scottsdale         | SMBG            | SM   |          | 21870         | 5         | 39     | 30       | 14      | 170     | 0.5     | 29.7   | 5           |
| SMBJ5366B      | Scottsdale         | SMBJ            | SM   |          | 21926         | 5         | 39     | 30       | 14      | 170     | 0.5     | 19.7   | 5           |
| UZ5740         | Watertown          | B               | STD  |          | 17418         | 5         | 40     | 30       |         |         |         |        | 5           |
| UZ5840         | Watertown          | B               | STD  |          | 17445         | 5         | 40     | 30       |         |         |         |        | 10          |
| 1N5119         | Santa Ana          | E               | STD  |          | 3227          | 5         | 40     | 30       | 14      |         | 1       | 30.4   | 5           |
| UZ4743         | Watertown          | B               | STD  |          | 18748         | 5         | 43     | 30       |         |         |         |        | 5           |
| 1N4973         | Santa Ana          | E               | STD  |          | 3123          | 5         | 43     | 30       | 20      | 240     | 2       | 32.7   | 5           |
| 1N4973US       | Santa Ana          | E SQ. MELF      | SM   |          | 3124          | 5         | 43     | 30       | 20      | 240     | 2       | 32.7   | 5           |
| 1N5367A        | Scottsdale         | T-18            | STD  |          | 3569          | 5         | 43     | 30       | 20      | 190     | 0.5     | 31     | 10          |
| 1N5367B        | Scottsdale         | T-18            | STD  |          | 3570          | 5         | 43     | 30       | 20      | 190     | 0.5     | 32.7   | 5           |
| JAN1N4973      | Santa Ana          | E               | STD  | 356      | 7493          | 5         | 43     | 30       | 20      | 240     | 2       | 32.7   | 5           |
| JAN1N4973US    | Santa Ana          | E SQ. MELF      | SM   | 356      | 7494          | 5         | 43     | 30       | 20      | 240     | 2       | 32.7   | 5           |
| JANS1N4973     | Santa Ana          | E               | STD  | 356      | 8520          | 5         | 43     | 30       | 20      | 240     | 2       | 32.7   | 5           |
| JANS1N4973US   | Santa Ana          | E SQ. MELF      | SM   | 356      | 22012         | 5         | 43     | 30       | 20      | 240     | 2       | 32.7   | 5           |
| JANTX1N4973    | Santa Ana          | E               | STD  | 356      | 9247          | 5         | 43     | 30       | 20      | 240     | 2       | 32.7   | 5           |
| JANTX1N4973US  | Santa Ana          | E SQ. MELF      | SM   | 356      | 9248          | 5         | 43     | 30       | 20      | 240     | 2       | 32.7   | 5           |
| JANTXV1N4973   | Santa Ana          | E               | STD  | 356      | 10707         | 5         | 43     | 30       | 20      | 240     | 2       | 32.7   | 5           |
| JANTXV1N4973US | Santa Ana          | E SQ. MELF      | SM   | 356      | 10708         | 5         | 43     | 30       | 20      | 240     | 2       | 32.7   | 5           |
| SMBG5367B      | Scottsdale         | SMBG            | SM   |          | 21871         | 5         | 43     | 30       | 20      | 190     | 0.5     | 32.7   | 5           |
| SMBJ5367B      | Scottsdale         | SMBJ            | SM   |          | 21927         | 5         | 43     | 30       | 20      | 190     | 0.5     | 32.7   | 5           |
| UZ5745         | Watertown          | B               | STD  |          | 17419         | 5         | 45     | 30       |         |         |         |        | 5           |
| UZ5845         | Watertown          | B               | STD  |          | 17446         | 5         | 45     | 30       |         |         |         |        | 10          |
| 1N5120         | Santa Ana          | E               | STD  |          | 3228          | 5         | 45     | 30       | 20      |         | 1       | 34.2   | 5           |
| UZ4747         | Watertown          | B               | STD  |          | 18749         | 5         | 47     | 25       |         |         |         |        | 5           |
| 1N4974         | Santa Ana          | E               | STD  |          | 3125          | 5         | 47     | 25       | 25      | 250     | 2       | 35.8   | 5           |
| 1N4974US       | Santa Ana          | E SQ. MELF      | SM   |          | 3126          | 5         | 47     | 25       | 25      | 250     | 2       | 35.8   | 5           |
| 1N5368A        | Scottsdale         | T-18            | STD  |          | 3571          | 5         | 47     | 25       | 25      | 210     | 0.5     | 33.8   | 10          |
| 1N5368B        | Scottsdale         | T-18            | STD  |          | 3572          | 5         | 47     | 25       | 25      | 210     | 0.5     | 35.8   | 5           |
| JAN1N4974      | Santa Ana          | E               | STD  | 356      | 7495          | 5         | 47     | 25       | 25      | 250     | 2       | 35.8   | 5           |
| JAN1N4974US    | Santa Ana          | E SQ. MELF      | SM   | 356      | 7496          | 5         | 47     | 25       | 25      | 250     | 2       | 35.8   | 5           |
| JANS1N4974     | Santa Ana          | E               | STD  | 356      | 8521          | 5         | 47     | 25       | 25      | 250     | 2       | 35.8   | 5           |
| JANS1N4974US   | Santa Ana          | E SQ. MELF      | SM   | 356      | 22013         | 5         | 47     | 25       | 25      | 250     | 2       | 35.8   | 5           |
| JANTX1N4974    | Santa Ana          | E               | STD  | 356      | 9249          | 5         | 47     | 25       | 25      | 250     | 2       | 35.8   | 5           |
| JANTX1N4974US  | Santa Ana          | E SQ. MELF      | SM   | 356      | 9250          | 5         | 47     | 25       | 25      | 250     | 2       | 35.8   | 5           |
| JANTXV1N4974   | Santa Ana          | E               | STD  | 356      | 10709         | 5         | 47     | 25       | 25      | 250     | 2       | 35.8   | 5           |
| JANTXV1N4974US | Santa Ana          | E SQ. MELF      | SM   | 356      | 10710         | 5         | 47     | 25       | 25      | 250     | 2       | 35.8   | 5           |
| SMBG5368B      | Scottsdale         | SMBG            | SM   |          | 21872         | 5         | 47     | 25       | 25      | 210     | 0.5     | 35.8   | 5           |
| SMBJ5368B      | Scottsdale         | SMBJ            | SM   |          | 21928         | 5         | 47     | 25       | 25      | 210     | 0.5     | 25.8   | 5           |
| UZ5750         | Watertown          | B               | STD  |          | 17420         | 5         | 50     | 25       |         |         |         |        | 5           |

Section Organization: Zener Parametric Section is organized by ascending Power (watts), followed by ascending Vz (volts)

**General Notes:**

1. Information on contacting Microsemi Divisions can be obtained on the back cover of this catalog
2. Type specifies "STD" - Standard, "SM" - Surface Mount, "DIE" - Die Form
3. Datasheets can be obtained from Microsemi's Website or Fax on Demand System by specifying the Data Sheet ID