

SOT23 DUAL SCHOTTKY BARRIER DIODES

ISSUE 3 - NOVEMBER 1995



ZC2812E
ZC2813E

| | | |
|--------------|---------|--------------|
| | | |
| ZC2813E | ZC2812E | SOT23 |
| Common Anode | Series | Device |
| 13E | 12E | Type |
| | | Part Marking |

ABSOLUTE MAXIMUM RATINGS.

| PARAMETER | SYMBOL | VALUE | UNIT |
|-----------------------------------------------------|----------------|-------------|--------------------|
| Power Dissipation at $T_{amb} = 25^{\circ}\text{C}$ | P_{tot} | 330 | mW |
| Operating and Storage Temperature Range | $T_j; T_{stg}$ | -55 to +150 | $^{\circ}\text{C}$ |

ELECTRICAL CHARACTERISTICS (at $T_{amb} = 25^{\circ}\text{C}$).

| PARAMETER | SYMBOL | MIN. | TYP. | MAX. | UNIT | CONDITIONS. |
|---------------------------------|----------|------|------|------|------|---------------------------------------------|
| Breakdown Voltage | V_{BR} | 15 | | | V | $I_R = 10\mu\text{A}$ |
| Reverse Leakage Current | I_R | | | 100 | nA | $V_R = 10\text{V}$ |
| Forward Voltage | V_F | | | 410 | mV | $I_F = 1\text{mA}$ |
| Forward Current | I_F | 20 | | | mA | $V_F = 1\text{V}$ |
| Capacitance | C_T | | | 1.2 | pF | $V_R = 0\text{V}$, $f = 1\text{MHz}$ |
| Effective Minority Lifetime (1) | τ | | | 100 | ps | $f = 54\text{MHz}$, $I_{pk} = 20\text{mA}$ |

(1) Sample Test.

For typical characteristics graphs see ZC2811E datasheet.