

# 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)	$\tau$			100	ps	$f = 54\text{MHz}$ , $I_{pk} = 20\text{mA}$

(1) Sample Test.

For typical characteristics graphs see ZC2811E datasheet.