

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.