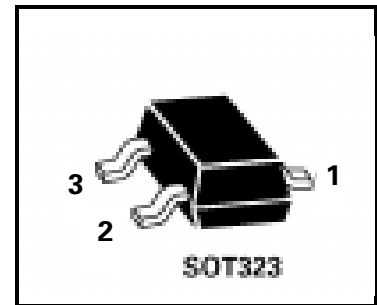
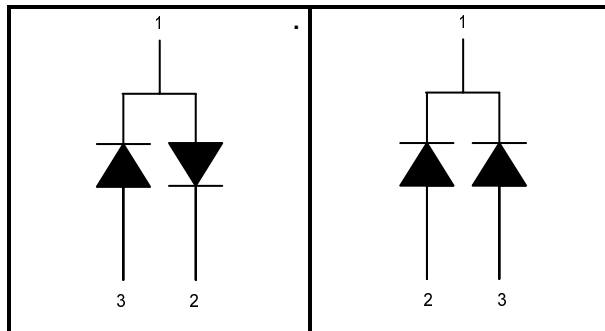


# SOT323 SILICON PLANAR DUAL SCHOTTKY BARRIER DIODES

**ZUMD70-04**  
**ZUMD70-05**

ISSUE 1 - NOVEMBER 1998



<b>SERIES PAIR</b>	<b>COMMON CATHODE</b>
Device Type: ZUMD70-04	Device Type: ZUMD70-05
Partmarking Detail: D94	Partmarking Detail: D95

## 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 $T_{amb} = 25^{\circ}\text{C}$ unless otherwise stated).

PARAMETER	SYMBOL	MIN.	MAX.	UNIT	CONDITIONS.
Breakdown Voltage	$V_{BR}$	70		V	$I_R=10\mu\text{A}$
Reverse Leakage Current	$I_R$		200	nA	$V_R=50\text{V}$
Forward Voltage	$V_F$		410	mV	$I_F=1\text{mA}$
Forward Current	$I_F$	15		mA	$V_F=1\text{V}$
Capacitance	$C_T$		2.0	pF	$f=1\text{MHz}, V_R=0$
Effective Minority Lifetime (1)	$\tau$		100	ps	$f=54\text{MHz}, I_{pk}=20\text{mA}$ (Krakauer Test Method)

(1) Sample Test

For typical characteristics graphs see ZC2800E datasheet.