

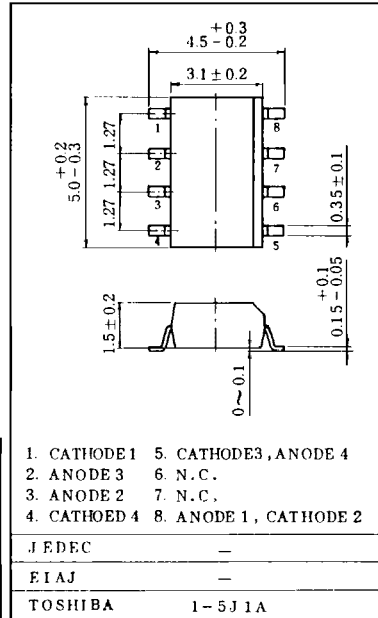
# S3275

## SILICON EPITAXIAL SCHOTTKY BARRIER TYPE

### VHF-UHF MIXER APPLICATION

- . Small Package
- . Small Delta Forward Voltage :  $\Delta V_F = 20\text{mV}$
- . Small Delta Total Capacitance :  $\Delta C_T = 0.15\text{pF}$

Unit in mm



### MAXIMUM RATINGS ( $T_a = 25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Reverse Voltage	$V_R$	6	V
Forward Current	$I_F$	15	mA
Junction Temperature	$T_j$	125	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	-55~125	$^\circ\text{C}$

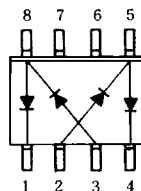
Weight : 0.05g

### ELECTRICAL CHARACTERISTICS ( $T_a = 25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	$V_R$	$I_R = 10\mu\text{A}$	6	—	—	V
Reverse Current	$I_R$	$V_R = 5\text{V}$	—	—	0.5	$\mu\text{A}$
Forward Voltage	$V_F(1)$	$I_F = 0.1\text{mA}$	—	0.32	—	V
Forward Voltage	$V_F(2)$	$I_F = 10\text{mA}$	0.45	0.53	0.60	V
Total Capacitance	$C_T$	$V_R = 0\text{V}, f = 1\text{MHz}$	—	0.65	0.9	pF
Delta Forward Voltage	$\Delta V_F$	$I_F = 10\text{mA}$ (Note)	—	—	20	mV
Delta Total Capacitance	$\Delta C_T$	$V_R = 0\text{V}, f = 1\text{MHz}$ (Note)	—	—	0.15	pF

(Note) : Difference between 4 Device in 1 package.

Pin Assignment



Marking

