

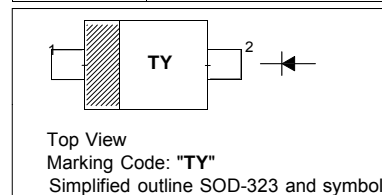
## SILICON EPITAXIAL PLANAR DIODE

### Applications

- VHF Tuner Band Switch

### PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



### Absolute Maximum Ratings ( $T_a = 25\text{ }^\circ\text{C}$ )

Parameter	Symbol	Value	Unit
Reverse Voltage	$V_R$	30	V
Forward Current	$I_F$	100	mA
Junction Temperature	$T_J$	125	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	- 55 to + 125	$^\circ\text{C}$

### Characteristics at $T_a = 25\text{ }^\circ\text{C}$

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at $I_F = 2\text{ mA}$	$V_F$	-	0.85	V
Reverse Current at $V_R = 15\text{ V}$	$I_R$	-	0.1	$\mu\text{A}$
Reverse Voltage at $I_R = 1\text{ }\mu\text{A}$	$V_R$	30	-	V
Total Capacitance at $V_R = 6\text{ V}$ , $f = 1\text{ MHz}$	$C_T$	-	1.2	pF
Series Resistance at $I_F = 2\text{ mA}$ , $f = 100\text{ MHz}$	$r_s$	-	0.9	$\Omega$

