

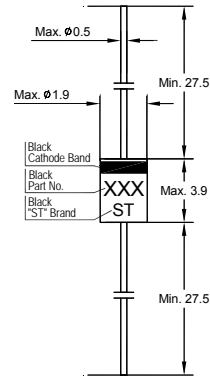
1SS86

SILICON SCHOTTKY BARRIER DIODE

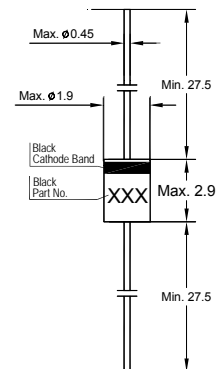
for UHF TV Tuner Mixer

Features

- Low capacitance
- High reliability with glass seal



Glass Case DO-35
Dimensions in mm



Glass Case DO-34
Dimensions in mm

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

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	3	V
Average Forward Current	I_O	30	mA
Power Dissipation	P_{tot}	150	mW
Junction Temperature	T_J	100	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 100	$^\circ\text{C}$

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

Parameter	Symbol	Min.	Max.	Unit
Forward Current at $V_F = 0.5\text{ V}$	I_F	8	-	mA
Reverse Voltage at $I_R = 1\text{ mA}$	V_R	3	-	V
Reverse Current at $V_R = 0.5\text{ V}$	I_R	-	50	μA
Capacitance at $V_R = 0.5\text{ V}$, $f = 1\text{ MHz}$	C	-	0.85	pF
ESD Capability ¹⁾ at $C = 200\text{ pF}$, $R_L = 0\text{ }\Omega$, both forward and reverse direction 1 pulse.	-	30	-	V

¹⁾ Failure criterion: $I_R > 50\text{ }\mu\text{A}$ at $V_R = 0.5\text{ V}$