

These diodes are in a glass sealed envelope and are suitable for lead mounting on printed circuit boards.

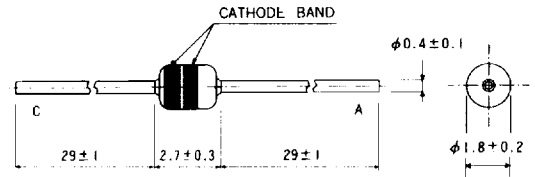
### Features

- available in DO-34 package
- part marking, see following table
- low forward resistance at high RF frequencies
- low interterminal capacitance ( $C_t$ )

### Applications

- electronic tuning for televisions
- UHF or VHF transmission switching

### Dimensions (Units : mm)



### Cathode band colors

Part no.	Two bands
1SS135	Gray/gray

### Absolute maximum ratings ( $T_a = 25^\circ\text{C}$ )

Parameter	Symbol	Limits	Unit
DC reverse voltage	$V_R$	35	V
Mean rectifying current	$I_O$	100	mA
Power dissipation	$P_d$	150	mW
Junction temperature	$T_j$	150	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55 ~ +150	$^\circ\text{C}$

### Electrical characteristics (unless otherwise noted, $T_a = 25^\circ\text{C}$ )

Parameter	Symbol	Min	Typical	Max	Unit	Conditions
Forward voltage	$V_F$		0.85	1.0	V	$I_F = 10 \text{ mA}$
Reverse current	$I_R$		0.01	100	nA	$V_R = 20 \text{ V}$
Capacitance between terminals	$C_t$		1.1	1.3	pF	$V_R = 6 \text{ V}, f = 1 \text{ MHz}$
Forward operating resistance	$r_F$		0.45	0.6	$\Omega$	$I_F = 10 \text{ mA}, f = 100 \text{ MHz}$

Electrical characteristic curves

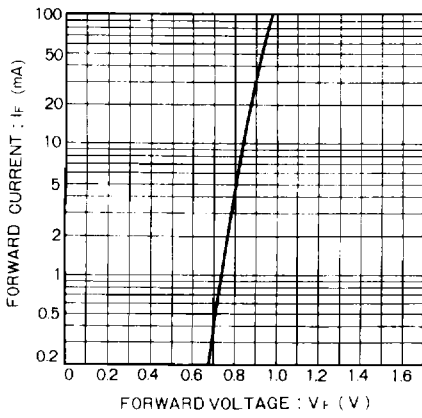


Figure 1

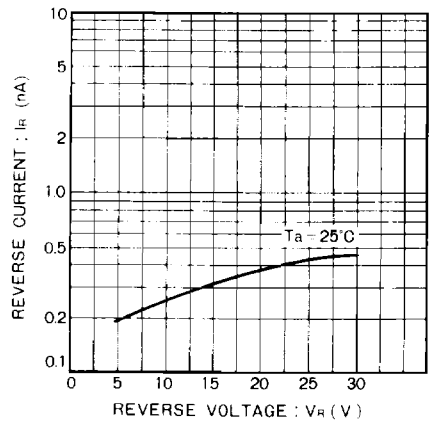


Figure 2

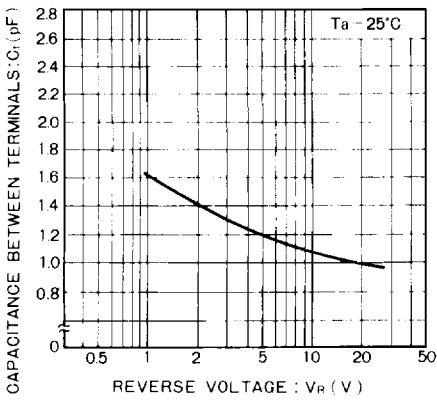


Figure 3

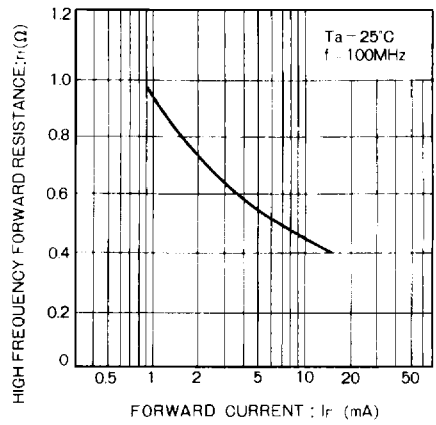


Figure 4