

RLS135

Diode, band switching, leadless

This small diode is suitable for high density surface mounting on a printed circuit board.

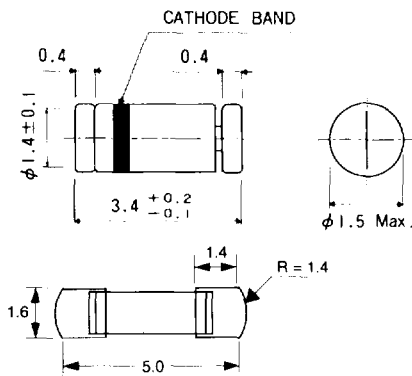
Features

- available in LLDS (LL-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
RLS135	White/white

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

Parameter	Symbol	Limits	Unit
DC reverse voltage	V_R	35	V
DC reverse 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		1.0	1.5	pF	$V_R = 10 \text{ V}, f = 1 \text{ MHz}$
Forward operating resistance	r_F		0.45	0.6	Ω	$I_F = 10 \text{ mA}, f = 100 \text{ MHz}$

Electrical characteristic curves

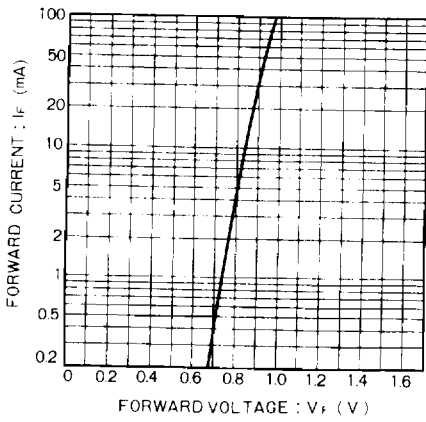


Figure 1

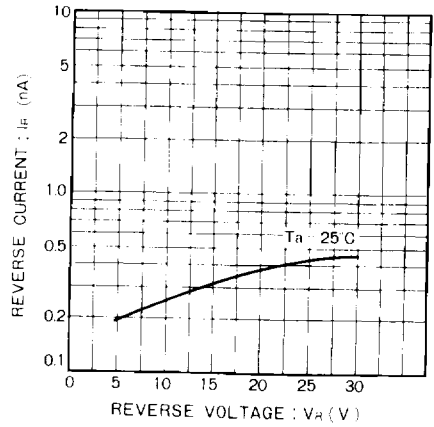


Figure 2

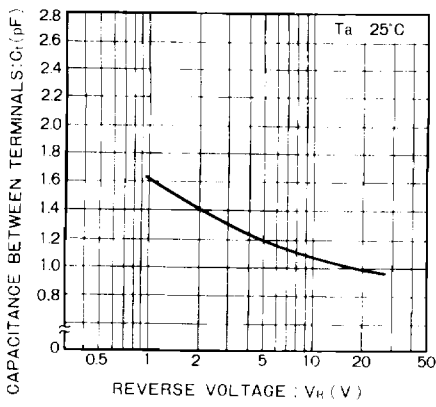


Figure 3

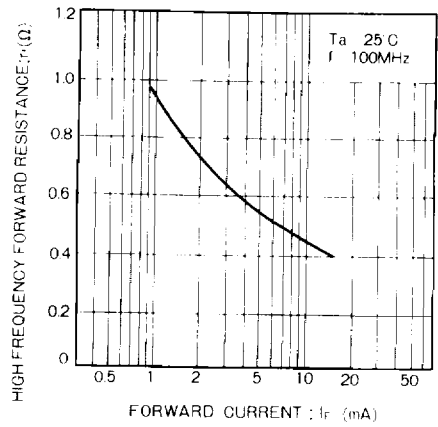


Figure 4