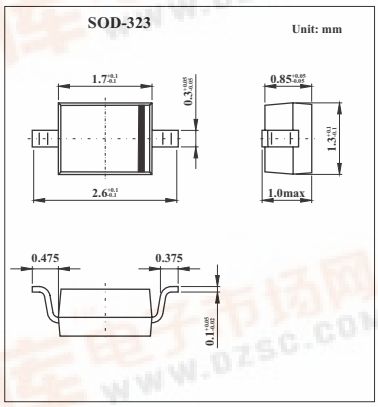
LOW VOLTAGE HIGH SPEED SWITCHING

1SS357



Features

- Low forward voltage :$V_{F(3)}$ = 0.54 V(Typ)
- Low resistance current :I_R = 5 μA (Max)
- Small package: :SC-70

Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	Rating	Unit
Maximum (peak) reverse voltage	V_{RM}	85	V
Reverse voltage	V_R	80	V
Maximum (peak) forward current	I_{FM}	200	mA
Average forward current	I_O	100	mA
Surge current (10 ms)	I_{FSM}	1	A
Power dissipation	P	200(*)	mW
Junction Temperature	T_j	125	℃
Storage Temperature range	T_{stg}	-55 + 125	℃

(*) Mounted on a glass epoxy circuit board of 20 * 20 mm, pad dimension of 4 * 4 mm.

Electrical Characteristics Ta = 25℃

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward voltage	$V_{F(1)}$	I_F = 1 mA		0.28		V
	$V_{F(2)}$	I_F = 10 mA		0.36		
	$V_{F(3)}$	I_F = 100 mA		0.54	0.6	
Reverse current	I_R	V_R = 40 V			5	μA
Total capacitance	C_t	V_R = 0, f = 1.0 MHz		18	25	pF

Marking

Marking	S3