

1SS321

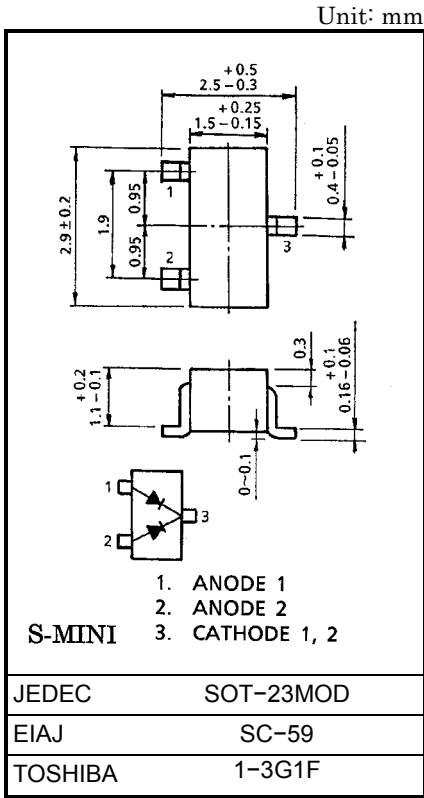
Low Voltage High Speed Switching

- Low forward voltage : $V_F = 0.42V$ (typ.)
- Low reverse current : $I_R = 500nA$ (max)
- Small package : SC-59 (SOT-23MOD)

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Maximum (peak) reverse voltage	V_{RM}	12	V
Reverse voltage	V_R	10	V
Maximum (peak) forward current	I_{FM}	150 (*)	mA
Average forward current	I_O	50 (*)	mA
Surge current (10ms)	I_{FSM}	1000 (*)	mA
Power dissipation	P	150	mW
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55~125	°C

(*) Unit rating. Total rating = unit rating × 1.5.



Weight: 0.012g

Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Circuit	Test Condition	Min	Typ.	Max	Unit
Forward voltage	V_F (1)	—	$I_F = 1mA$	—	0.32	—	V
	V_F (2)	—	$I_F = 10mA$	—	0.42	—	
	V_F (3)	—	$I_F = 50mA$	—	0.63	1.00	
Reverse current	I_R	—	$V_R = 10V$	—	—	500	nA
Total capacitance	C_T	—	$V_R = 0, f = 1MHz$	—	3.2	4.5	pF

Marking

