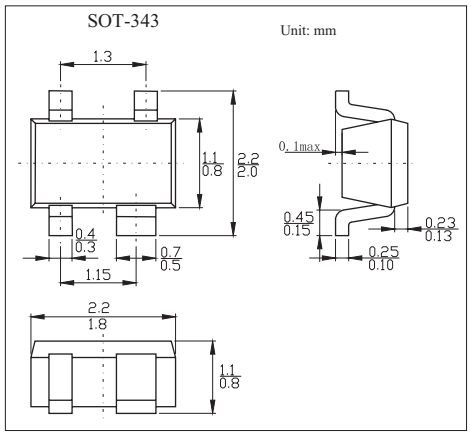
Low Voltage High Speed Switching

1SS383



■ Features

- Composed of 2 independent diodes.
- Low forward voltage: $V_{F(3)}$ = 0.54V (typ.)
- Low reverse current: I_R = 5 μA (max)

■ 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}	300(1)	mA
Average forward current	I_O	100(1)	mA
Surge current (10 ms)	I_{FSM}	2(1)	A
Power dissipation	P	150	mW
Junction temperature	T_j	125	℃
Storage temperature range	T_{stg}	-55 to +125	℃
Operating temperature range	T_{opr}	-40 to +100	℃

Note

1.Unit Rating.Total Rating = Unit Rating × 1.5

■ Electrical Characteristics Ta = 25℃

Parameter	Symbol	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	0.60	
Reverse current	I_R	V_R = 40 V			5	μA
Total capacitance	C_T	V_R=0 V,f=1 MHz		18	25	pF

■ Marking

Marking	A4