

1SS383T1

Preferred Device

Dual Schottky Diode

MAXIMUM RATINGS (T_A = 25°C)

Rating	Symbol	Max	Unit
Continuous Reverse Voltage	V _R	40	V
Maximum Peak Forward Current*	I _{FM}	300	mA
Peak Forward Surge Current Pulse Width = 10 μs	I _{FM(surge)}	500	mA

*Both Devices Active

MAXIMUM RATINGS (T_A = 25°C)

Rating	Symbol	Max	Unit
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THERMAL CHARACTERISTICS

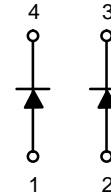
Characteristic (Both Junctions Heated)	Symbol	Max	Unit
Total Device Dissipation Derate above 25°C T _A = 25°C	P _D	200 (Note 1) 1.6 (Note 1)	mW mW/°C
Thermal Resistance Junction-to-Ambient	R _{θJA}	625 (Note 1)	°C/W
Junction and Storage Temperature	T _J , T _{stg}	-55 to +150	°C

1. FR-4 @ Minimum Pad



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SC-82

MARKING DIAGRAM



A1 = Specific Device Code
D = Date Code

ORDERING INFORMATION

Device	Package	Shipping
1SS383T1	SC-82	4 mm pitch 3000/Tape & Reel

Preferred devices are recommended choices for future use and best overall value.


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ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise noted)

Characteristic	Symbol	Min	TYP	Max	Unit
Forward Voltage ($I_F = 1.0\text{ mA}$) ($I_F = 10\text{ mA}$) ($I_F = 100\text{ mA}$)	V_F	- - -	280 360 540	- - 600	mV
Reverse Current ($V_R = 40\text{ V}$)	I_R	-	-	5	μA
Capacitance ($V_R = 0, f = 1.0\text{ MHz}$)	C_D	-	-	25	pF

Notes

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