1**SS**383**T1**

Preferred Device

Dual Schottky Diode

MAXIMUM RATINGS ($T_A = 25^{\circ}C$)

| 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 μ s | I _{FM(surge)} | 500 | mA |

*Both Devices Active

MAXIMUM RATINGS ($T_A = 25^{\circ}C$)

| Rating | Symbol | Max | Unit |
|-------------------------|--------|-----|------|
| THERMAL CHARACTERISTICS | | | |

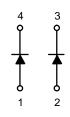
| Characteristic (Both Junctions Heated) | Symbol | Max | Unit |
|---|-----------------------------------|------------------------------------|-------------|
| Total Device Dissipation $T_A = 25^{\circ}C$ Derate above $25^{\circ}C$ | P _D | 200 (Note 1) 1.6 (Note 1) | mW mW/°C |
| Thermal Resistance Junction-to-Ambient | R_{\thetaJA} | 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.

1SS383T1

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

| Characteristic | Symbol | Min | TYP | Max | Unit |
|---|----------------|-------------|-------------------|---------------|------|
| Forward Voltage (I _F = 1.0 mA) (I _F = 10 mA) (I _F = 100 mA) | VF | - - - | 280 360 540 | - - 600 | mV |
| Reverse Current (V _R = 40 V) | I _R | - | - | 5 | μΑ |
| Capacitance (V _R = 0, f = 1.0 MHz) | C _D | - | - | 25 | pF |

<u>Notes</u>

1SS383T1

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