

DATA SHEET

1SS244

SWITCHING DIODES

VOLTAGE 250 Volts **POWER** 300 mWatts

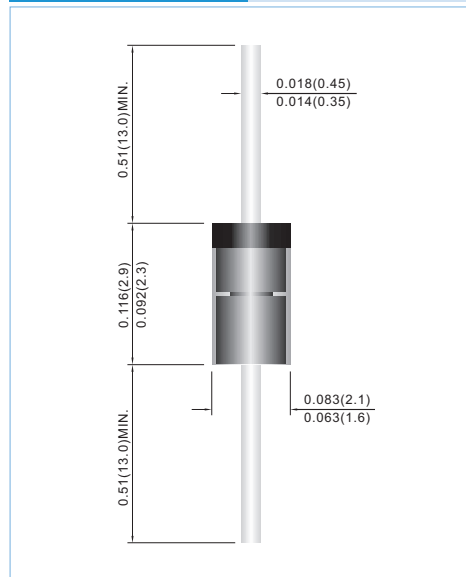
FEATURES

- High speed switching .
- Electrically Identical to Standard JEDEC
- High Conductance
- Axial lead Package Ideally Suited for Automatic Insertion.

MECHANICAL DATA

- Case: Molded Glass DO-34
- Terminals: Solderable per MIL-STD-202E, Method 208
- Polarity: See Diagram Below
- Approx. Weight: 0.09 grams
- Mounting Position: Any

DO-34 Unit : inch(mm)



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T_J=25°C unless otherwise noted)

PARAMETER	SYMBOL	1SS244	UNITS
Reverse Voltage	V _R	220	V
Peak Reverse Voltage	V _{RM}	250	V
RMS Voltage	V _{RMS}	250	V
Maximum Average Forward Current at T _a =25°C And f ≥ 50Hz	I _{AV}	200	mA
Surge Forward Current at t < 1s and T _J =25 °C	I _{FSM}	625	mA
Power Dissipation at Tamb= 25 °C	P _{TOT}	300	mW
Maximum Forward Voltage at I _F =200mA	V _F	1.5	V
Maximum Leakage Current at V _R = 220 V	I _R	10	μA
Maximum Capacitance (Note 1)	C _J	3	pF
Maximum Reverse Recovery Time (Note 2)	T _{RR}	75	ns
Maximum Thermal Resistance	R _{JA}	350	°C / W
Junction Temperature and Storage Temperature Range	T _J ,T _S	-65 to +175	°C

NOTE:

1. C_J at V_R=0V, f=1MHZ
2. From I_F=20mA to I_R=20mA, R_L=50.

●Electrical characteristics curves (Ta=25°C)

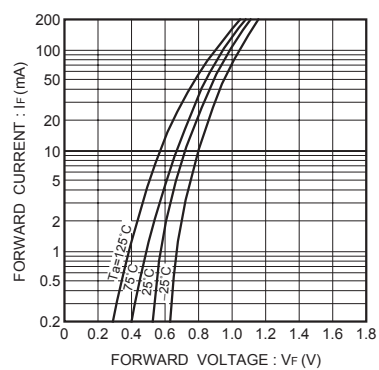


Fig.1 Forward characteristics

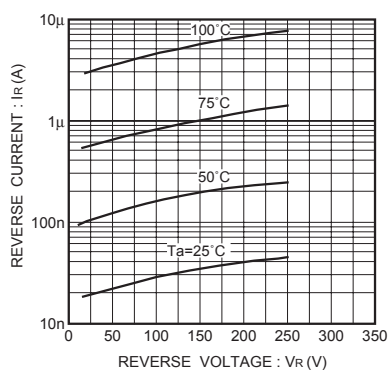


Fig.2 Reverse characteristics

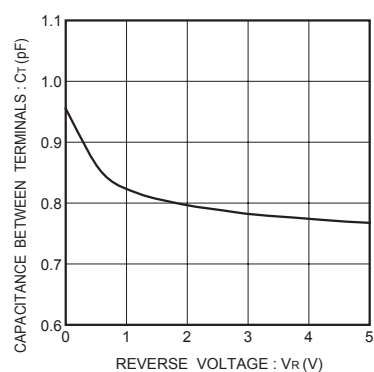


Fig.3 Capacitance between terminals characteristics

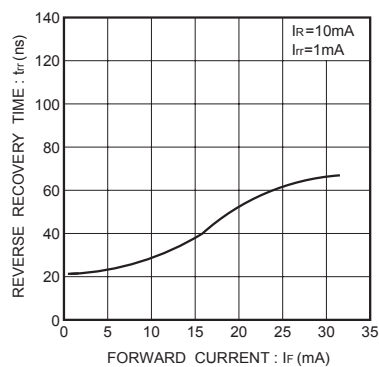


Fig.4 Reverse recovery time characteristics

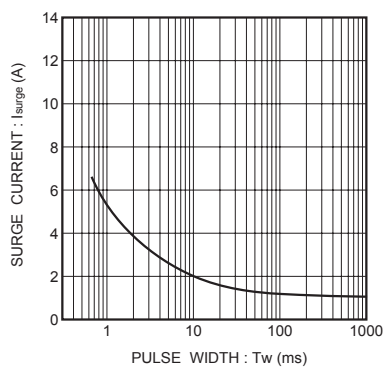


Fig.5 Surge current characteristics

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