

1.DATA SHEET

1SS133

SWITCHING DIODES

VOLTAGE 80 Volts **POWER** 300 mWatts

FEATURES

- Fast switching Speed.
- 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: 0.012 grams
- Mounting Position: Any
- Ordering information

Suffix : " -34 " to order DO-34 Package

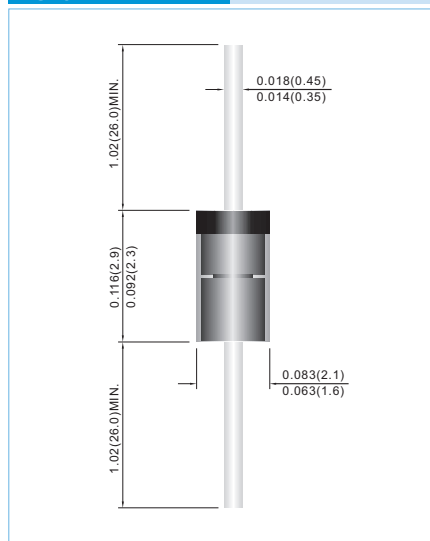
- Packing information

B - 2K per Bulk box

T/R - 10K per 13" plastic Reel

T/B - 5K per horiz. tape & Ammo box

DO-34 Unit : inch(mm)



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

PARAMETER	Sym bol	Value	Units
Peak Reverse Voltage	V _{RM}	90	V
Reverse Voltage	V _R	80	V
Rectified current (Average) Half Wave Rectification with Resist Load at Tamb = 25 °C and f ≥ 50Hz	I _B	130	mA
Surge Forward Current at t ≤ 1s and T _J = 25°C	I _{FSM}	600	mA
Power Dissipation at Tamb = 25°C	P _{tot}	300	mW
Maximum Forward voltage at I _F = 100mA	V _F	1.2	V
Maximum Leakage Current @ V _R = 80V	I _R	0.5	uA
Maximum Capacitance (Note 1)	C _J	2	pF
Maximum Reverse Recovery Time (Note 2)	T _{RR}	4	ns
Junction Temperature	T _J	175	°C
Storage Temperature Range	T _S	-65 to 175	°C

NOTE:

1. C_J at V_F = V_R = 0.5V, f = 1MHz
2. From I_F = 10mA, V_R = 6Volts, R_L = 50Ω

RATING AND CHARACTERISTIC CURVES

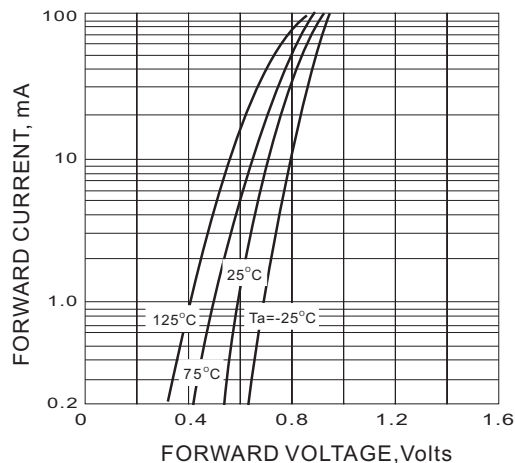


Fig.1 Forward characteristic

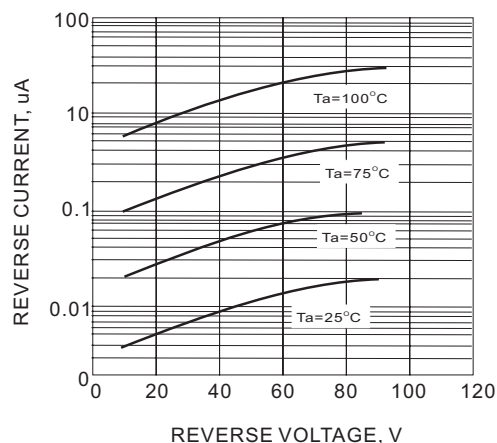


Fig.2 Reverse Characteristics

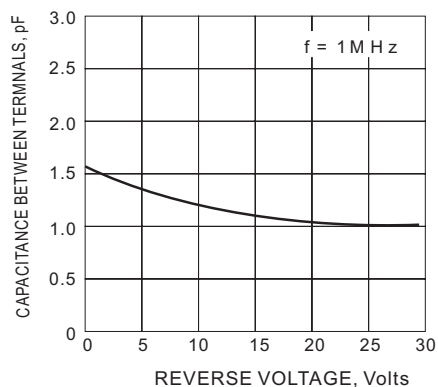


Fig.3 Capacitance between terminals characteristics

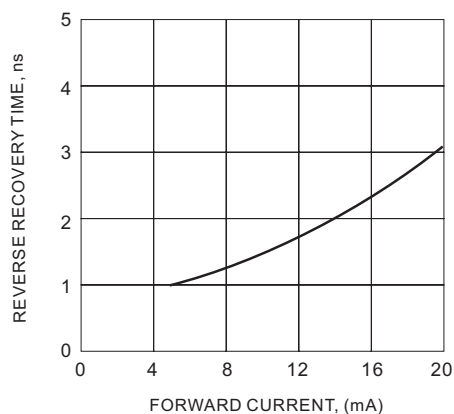


Fig.4 Reverse recovery time Characteristics

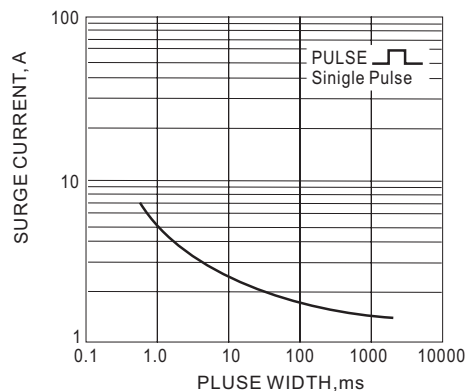


Fig.5 Surge current characteristics

Part No_packing code_Version

1SS133_AX_10001

1SS133_AY_10001

1SS133_B0_10001

1SS133_R2_10001

For example :

RB500V-40_R2_00001

Part No.

Serial number

Version code means HF

Packing size code means 13"

Packing type means T/R

Packing Code XX				Version Code XXXXXX		
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	B	13"	2			
Tube Packing (T/P)	T	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			

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