SMALL SIGNAL SWITCHING DIODE

REVERSE VOLTAGE : 35 V
CURRENT: 110 mA

FEATURES

◇ Glass sealed envelope. (MSD)

◇ High reliability

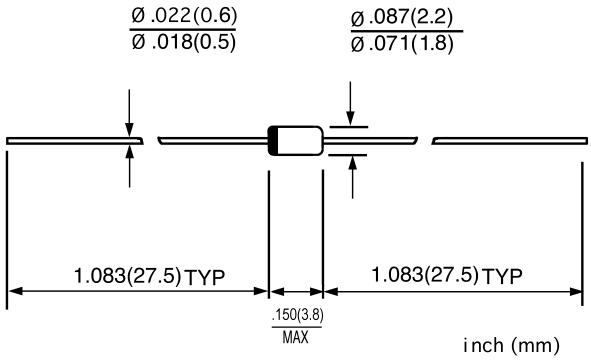
MECHANICAL DATA

◇ Case: DO-35, glass case

◇ Polarity: Color band denotes cathode

◇ Weight: 0.005 ounces, 0.14 grams

DO - 35(GLASS)



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwise specified.
Single phase,half wave,60 Hz,resistive or inductive load. For capacitive load,derate by 20%.

		1SS133	UNITS
Maximum DC reverse voltage	V_R	35	V
Maximum recurrent reverse voltage	V_{RM}	40	V
Power dissipation	P_{tot}	300	mW
Maximum average forward rectified current	$I_{F(AV)}$	110	mA
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	I_{FSM}	400	mA
Maximum instantaneous forward voltage @ 100mA	V_F	1.2	V
Maximum reverse current @T_A=25℃	I_R	0.5	μA
at rated DC blocking voltage @T_A=150℃		50.0	
Reverse recovery time @I_F=10mA,V_R=6V,R_L=50Ω	t_{rr}	4.0	ns
Operating junction temperature range	T_J	- 55 ---- + 175	℃
Storage temperature range	T_{STG}	- 55 ---- + 175	℃

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FIG.1 –FORWARD CHARACTERISTICS

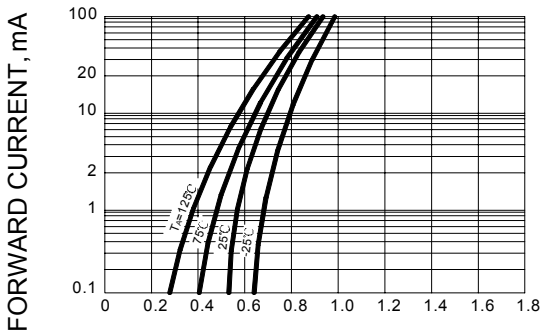

FIG.2 -- REVERSE CHARACTERISTICS

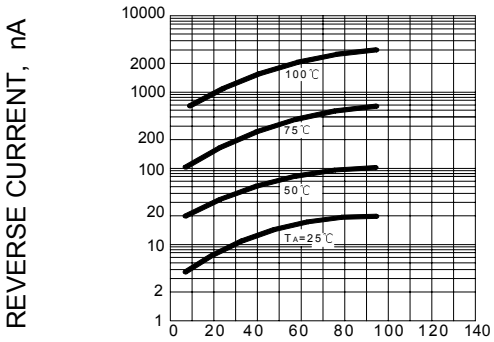

FIG.3 -- CAPACITANCE BETWEEN TERMINALS CHARACTERISTICS

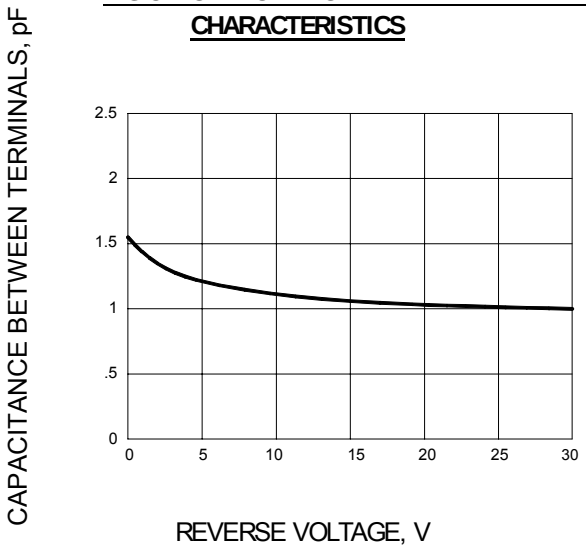

FIG.4 -- REVERSE RECOVERY TIME CHARACTERISTICS

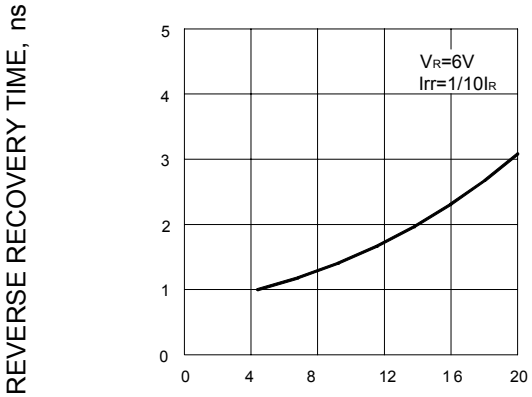

FIG.5 -- SURGE CURRENT CHARACTERISTICS

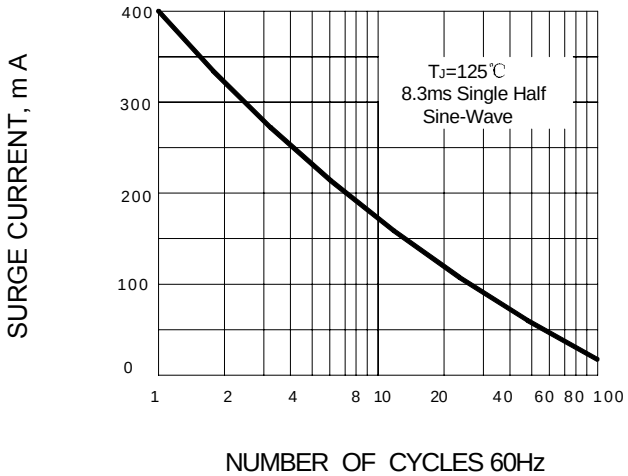

FIG.6 -- REVERSE RECOVERY TIME (trr) MEASUREMENT CIRCUIT