

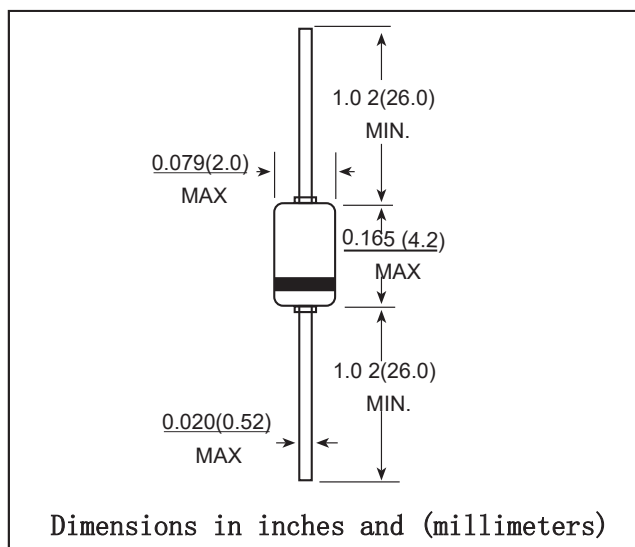
DO-35 Small Signal Switching Diodes

FEATURES

- Fast Switching Speed
- Electrically Identical to Standard JEDEC
- High reliability
- Lead free in compliance with EU RoHS 2.0
- Component in accordance to RoHS 2015/863 and WEEE 2012/19/EU

MECHANICAL DATA

- Case style: DO-35, glass case
- Mounting position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Parameters	Symbol	Value	Unit
Reverse Voltage	V_R	80	V
Peak Reverse Voltage	V_{RM}	90	V
Power Dissipation	P_d	300	mW
Operating junction temperature	T_j	-55to+150	°C
Storage temperature range	T_s	-55to+150	°C
Working Inverse Voltage	W_{IV}	75	V
Average Rectified Current	I_o	130	mA
Peak Forward Current	I_{FM}	400	mA

@ $t < 1s$ and $T_j = 25^\circ C$

Symbols	Parameter	Test Condition	Limits		Unit
			Min	Max	
I_R	Reverse Leakage Current	$V_R = 80V$	---	0.5	μA
V_F	Forward Voltage	$I_F = 100mA$	---	1.2	V
T_{RR}	Reverse Recovery Time	$I_F = 10mA, I_R = 1.0mA$ $R_L = 50\Omega$ $I_{RR} = 1mA$	---	4	nS
C_r	Capacitance between terminals	$V_R = 0.5V_{dc}, f = 1.0MHz$	---	2.0	pF

RATINGS AND CHARACTERISTIC CURVES

FIG.1 - FORWARD CHARACTERISTICS

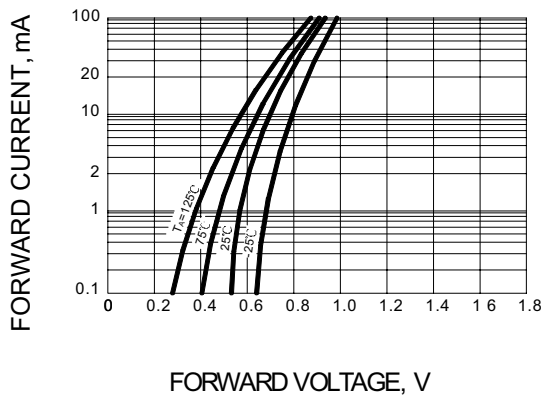


FIG.2 - REVERSE CHARACTERISTICS

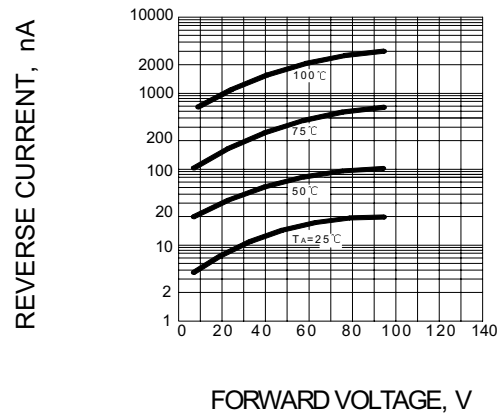


FIG.3 - CAPACITANCE BETWEEN TERMINALS CHARACTERISTICS

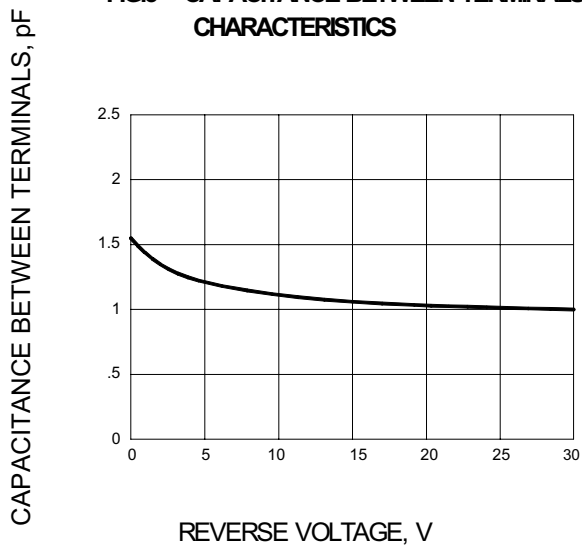


FIG.4 - REVERSE RECOVERY TIME CHARACTERISTICS

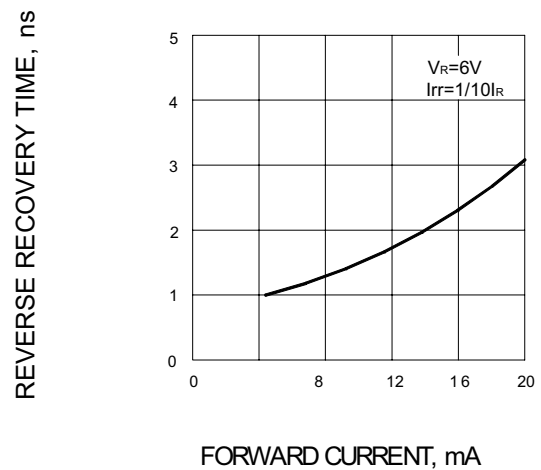


FIG.5 - SURGE CURRENT CHARACTERISTICS

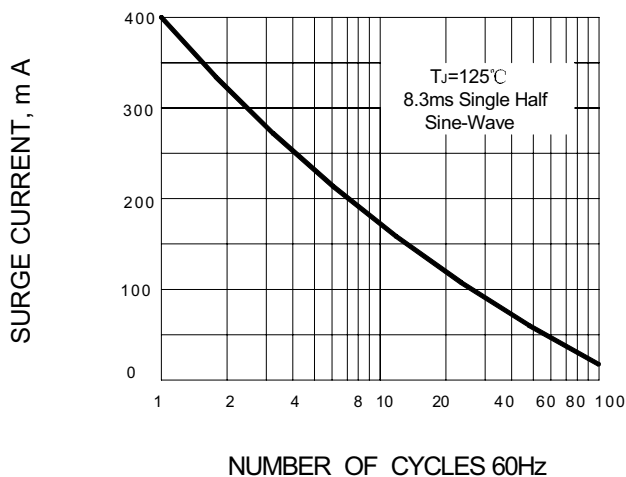


FIG.6 - REVERSE RECOVERY TIME (t_{rr}) MEASUREMENT CIRCUIT

