

HIGH VOLTAGE RECTIFIERS

70nS RECOVERY

1N6532
1N6533

1N6534
1N6535

AXIAL LEADED
HERMETICALLY SEALED

$$V_{RWM} = 4000 - 10000V$$

JANTX

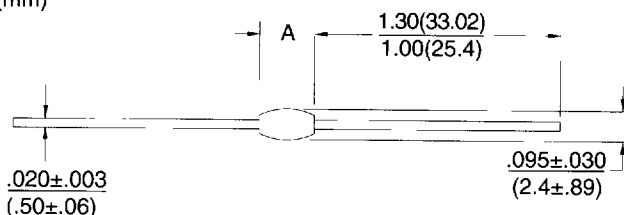
$$I_F = 25mA - 50mA$$

JANTXV

$$T_{RR} = 70nS$$

VOLTAGE MULTIPLIERS INC

in.(mm)



	A
1N6532	.240(6.1)
1N6533	.180(4.6)
1N6534	.300(7.6)
1N6535	.240(6.1)

ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

		1N6532	1N6533	1N6534	1N6535	UNITS
MAX. WORKING REVERSE VOLTAGE	V_{RWM}	4000	5000	7500	10000	V
FORWARD VOLTAGE	V_F	9.0V @ 25mA		14.0V @ 25mA		V
AVERAGE RECTIFIED CURRENT $T_L = 55^\circ C$ $T_L = 100^\circ C$	I_O I_O	50 25		25 12.5		mA mA
MAX. REVERSE CURRENT @ $V_{RWM} 25^\circ C$ @ $V_{RWM} 100^\circ C$	I_R I_R	0.10 10		0.10 10		μA μA
PEAK SURGE CURRENT $tp=8.3mS$	I_{FSM}	4.0		2.0		A
PEAK REPETITIVE SURGE CURRENT	I_{FRM}	0.75		0.38		A
MAX. REVERSE RECOVERY TIME $I_F=12.5mA, I_R=25mA, I_{RR}=6.25mA$	T_{RR}	70		70		nS
MAX. THERMAL IMPEDANCE D=0 D=.100 D=.250	$R_{\theta JL}$ $R_{\theta JL}$ $R_{\theta JL}$	18 30 50		18 30 50		$^\circ C/W$ $^\circ C/W$ $^\circ C/W$
JUNCTION CAPACITANCE @ 50VDC @ 1kHz	C_J	1.0		0.5		Pf
OPERATING TEMPERATURE	T_{OP}	-65 TO +175				$^\circ C$
STORAGE TEMPERATURE	T_{STG}	-65 TO +200				$^\circ C$

ALL RATINGS AT 25°C UNLESS OTHERWISE SPECIFIED.



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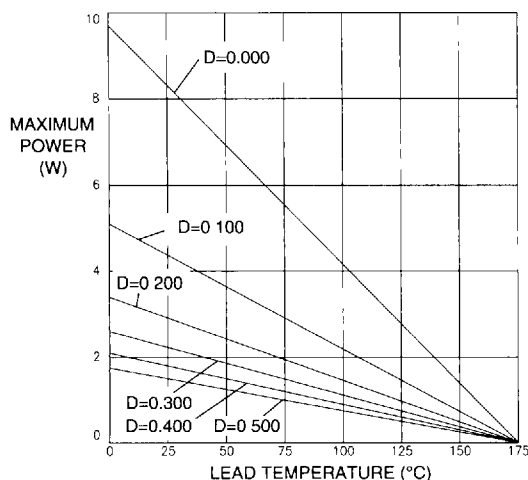
1N6532

1N6534

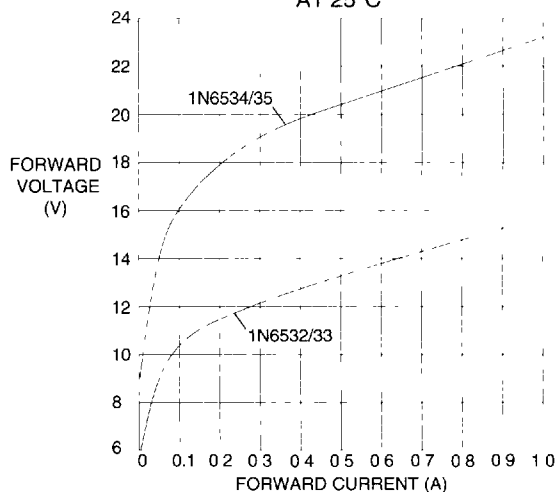
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1N6535

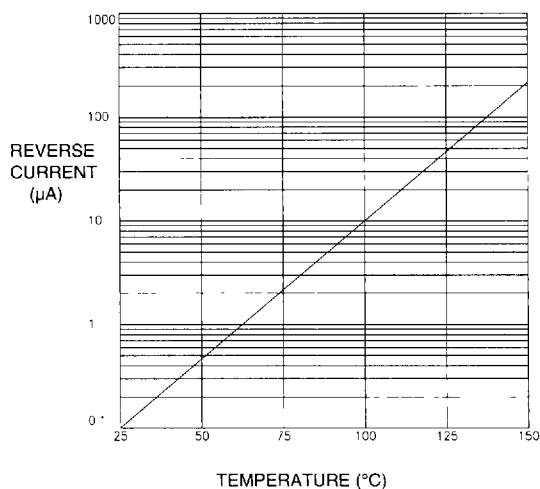
POWER DERATING



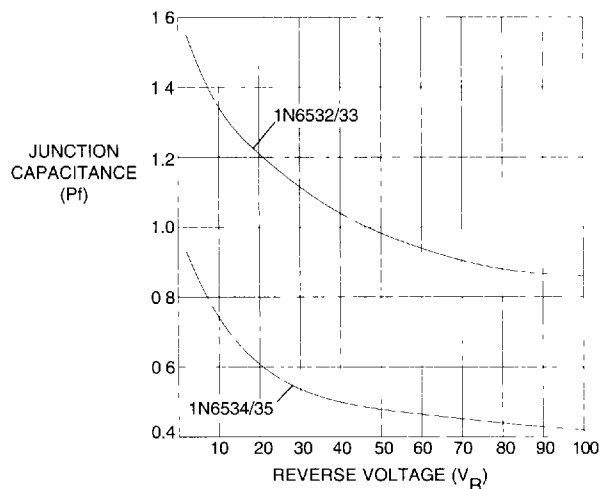
TYPICAL
FORWARD VOLTAGE
VS. FORWARD CURRENT
AT 25°C



TYPICAL
REVERSE CURRENT VS. TEMPERATURE
AT PIV



TYPICAL JUNCTION CAPACITANCE
VS. REVERSE VOLTAGE
AT 25°C



NOTE: THE REVERSE RECOVERY TIME VS. TEMPERATURE GRAPH WITH ADDITIONAL TRR INFORMATION IS LOCATED IN APPENDIX C.



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