

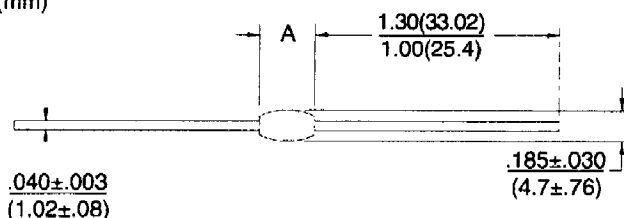
HIGH VOLTAGE RECTIFIERS
70nS RECOVERY

1N6512 1N6514
 1N6513 1N6515

AXIAL LEADED
 HERMETICALLY SEALED

$V_{RWM} = 1500-3000V$
 $I_F = 1.5A - 2.0A$
 $T_{RR} = 70nS$

in.(mm)



	A
1N6512	.310(7.87)
1N6513	.250(7.6)
1N6514	.330(8.38)
1N6515	.270(6.85)

ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

		1N6512	1N6513	1N6514	1N6515	UNITS
MAX. WORKING REVERSE VOLTAGE	V_{RWM}	1500	2000	2500	3000	V
FORWARD VOLTAGE @ I_O	V_F	3.5		6.0		V
AVERAGE RECTIFIED CURRENT $T_L = 55^\circ C$ $T_L = 100^\circ C$	I_O I_O	2.0 1.5		1.5 1.0		A A
MAX. REVERSE CURRENT @ $V_{RWM} 25^\circ C$ @ $V_{RWM} 100^\circ C$	I_R I_R	1.0 25		1.0 25		μA μA
PEAK SURGE CURRENT $t_p=8.3mS$	I_{FSM}	100		60		A
PEAK REPETITIVE SURGE CURRENT	I_{FRM}	15		10		A
MAX. REVERSE RECOVERY TIME $I_F= .5A, I_R=1.0A, I_{RR}=.25A$	T_{RR}	70		70		nS
MAX. THERMAL IMPEDANCE D=.0 D=.100 D=.250	$R_{\theta JL}$ $R_{\theta JL}$ $R_{\theta JL}$	3 6 12		3 6 12		$^\circ C/W$ $^\circ C/W$ $^\circ C/W$
JUNCTION CAPACITANCE @ 50VDC @ 1kHz	C_J	25		20		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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