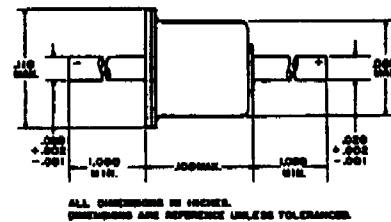


absolute maximum ratings: (25°C) (unless otherwise specified)

Part Number	1	2	3	4	5	6	7	units
Forward Current (-55 to + 100°C)	30	15	10	5	5	5	5	ma
Reverse Current (-55 to + 100°C)	10	5	5	5	5	5	5	ma
Lead Temperature, from case for 10 seconds	1/16" + 1/32"		260°C					

AXIAL DIODE OUTLINE



electrical characteristics: (25°C) (unless otherwise specified)

	Sym.	BD1	BD2	BD3	BD4	BD5	BD6	BD7	Units
Forward Voltage, $V_{F1} = 90 \text{ MV} \pm 10 \text{ mv}$ at $I_{F1} =$		10	5	2	1	.5	.2	.1 ma	
Forward Voltage at I_{F2} ($I_{F2} = 3I_{F1}$)	V_{F2}	120	130	170	170	170	160	160 mv	typ.
Reverse Voltage, $I_R = I_p \text{ max}$	V_{R1}	440	420	400	380	350	330	330 mv	min.
Reverse Voltage, $I_R = 1 \text{ ma}$	V_{R2}	440	465	465	465	465	465	465 mv	min.
Reverse Peak Point Current	I_p	1	.5	.2	.1	.05	.02	.01 ma	max.
Series Inductance (Measured at case)	L_s	1.5	1.5	1.5	1.5	1.5	1.5	1.5 nh	typ.
Total Terminal Capacity ($V_R = 350 \text{ mv}$)	C	8	6	4	3	3	3	3 pf	typ.
		20	10	10	10	10	10	10 pf	max.
Recovery Time*	t_r	1.0	0.7	0.5	0.4	0.4	0.4	0.4 ns	typ.

*The recovery time is measured to a reverse current of 1 ma. when switching from 0.1 volt forward to 0.4 volt reverse from a 50 ohm source. Since the back diode does not exhibit charge storage, the recovery time is determined by the charging time of the total device capacity.

