

**1N3993
 thru
 1N4000**

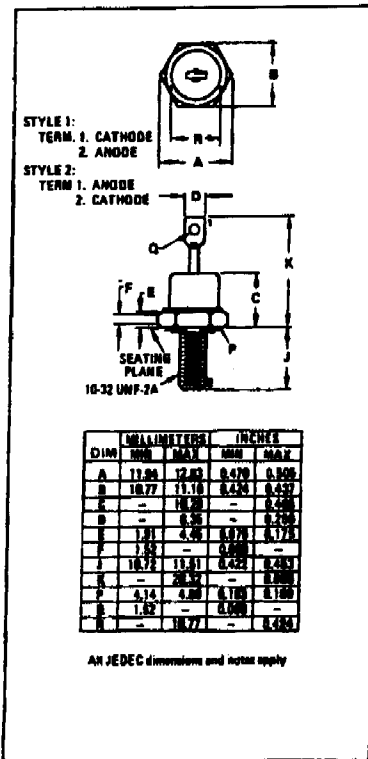
**10 WATTS
 ZENER DIODES**

MAXIMUM RATINGS
 Junction and Storage Temperature: -65°C to $+175^{\circ}\text{C}$.
 DC Power Dissipation: 10 Watts. (Derate 83.3 mW/ $^{\circ}\text{C}$ above 55°C).

The type numbers shown in the table have a standard tolerance on the nominal zener voltage of $\pm 10\%$. A standard tolerance of $\pm 5\%$ on individual units is also available and is indicated by suffixing "A" to the standard type number.

ELECTRICAL CHARACTERISTICS ($T_B = 30^{\circ}\text{C} \pm 3$,
 $V_F = 1.5$ max @ $I_F = 2$ amp for all units)

Type No.	Nominal Zener Voltage $V_Z @ I_{ZT}$ Volts	Test Current I_{ZT} mA	Max Zener Impedance		Max DC Zener Current I_{ZM} mA	Reverse Leakage Current	
			$Z_{ZT} @ I_{ZT}$ Ohms	$Z_{ZK} @ I_{ZK} = 1.0$ mA Ohms		I_R μA	V_R Volts
1N3993	3.9	640	2.0	400	2380	100	0.5
1N3994	4.3	580	1.8	400	2130	100	0.5
1N3995	4.7	530	1.2	500	1940	50	1.0
1N3996	5.1	480	1.1	560	1780	10	1.0
1N3997	5.6	445	1.0	600	1620	10	1.0
1N3998	6.2	405	1.1	750	1480	10	2.0
1N3999	6.8	370	1.2	800	1330	10	2.0
1N4000	7.5	335	1.3	250	1210	10	3.0



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