



SCOTTSDALE DIVISION

1N3821 thru 1N3830A

1 Watt Metal Case Zener Diodes

**\*ELECTRICAL CHARACTERISTICS @ 25°C**

JEDEC TYPE NUMBER	NOMINAL ZENER VOLTAGE $V_Z @ I_{ZT}$ (Note 1)	ZENER TEST CURRENT $I_{ZT}$	MAXIMUM ZENER IMPEDANCE (Note 2)		MAXIMUM ZENER CURRENT $I_{ZM}$ (Note 3)	MAXIMUM REVERSE LEAKAGE CURRENT $I_R @ V_R$		TYPICAL TEMP. COEFF. OF ZENER VOLTAGE $\alpha_{VZ}$
			$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK} = 1mA$		$\mu A$	Volts	
			OHMS	OHMS				
1N3821	3.3	76	10	400	276	100	1	-.066
1N3821A	3.3	76	10	400	276	100	1	-.066
1N3822	3.6	69	10	400	252	100	1	-.058
1N3822A	3.6	69	10	400	252	100	1	-.058
1N3823	3.9	64	9	400	238	50	1	-.046
1N3823A	3.9	64	9	400	238	50	1	-.046
1N3824	4.3	58	9	400	213	10	1	-.033
1N3824A	4.3	58	9	400	213	10	1	-.033
1N3825	4.7	53	8	500	194	10	1	-.015
1N3825A	4.7	53	8	500	194	10	1	-.015
1N3826	5.1	49	7	550	178	10	1	+/- .010
1N3826A	5.1	49	7	550	178	10	1	+/- .010
1N3827	5.6	45	5	600	162	10	2	+.030
1N3827A	5.6	45	5	600	162	10	2	+.030
1N3828	6.2	41	2	700	146	10	3	+.049
1N3828A	6.2	41	2	700	146	10	3	+.049
1N3829	6.8	37	1.5	500	133	10	3	+.053
1N3829A	6.8	37	1.5	500	133	10	3	+.053
1N3830	7.5	34	1.5	250	121	10	3	+.057
1N3830A	7.5	34	1.5	250	121	10	3	+.057

\*JEDEC Registered Data.

NOTES: 1. The JEDEC type numbers shown with suffix A have a standard tolerance of +/-5% on the nominal zener voltage.  $V_Z$  measured with device in thermal equilibrium in 25°C still air and mounted in test clips, 3/4" from unit body. if tighter tolerance on  $V_Z$  is required, consult factory.