

3-WATT ZENER DIODES

MAXIMUM RATINGS

Operating Temperature: -65°C to $+175^{\circ}\text{C}$.
Storage Temperature: -65°C to $+200^{\circ}\text{C}$.

ELECTRICAL CHARACTERISTICS

TYPE (Note 1)		ELECTRICAL SPECIFICATIONS AT 25°C							MAXIMUM RATINGS	
		NOMINAL ZENER VOLTAGE $V_Z @ I_{ZT}$	TEST CURRENT I_{ZT}	MAXIMUM REVERSE LEAKAGE CURRENT			MAX. ZENER IMPEDANCE $Z_Z @ I_{ZT}$	TYP. TEMP. COEFFICIENT $T_C @ I_{ZT}$	MAXIMUM CONTINUOUS CURRENT I_{ZM}	MAXIMUM SURGE CURRENT I_{ZM}
				$I_R @ V_R$	$\pm 5\%$ V_R	$\pm 10\%$ V_R				
Jedec Registration	$\pm 10\%$ Tolerance	Volts	mA	μA	Volts	Volts	Ohms	%/°C	mA	Amps
1N5063		6.8	75	500	5.2	4.9	2	04	440	10.0
1N5064		7.5	75	300	5.7	5.4	2	04	400	8.0
1N5065		8.2	75	200	6.2	5.9	3	05	360	7.0
1N5066		9.1	75	100	6.9	6.6	3	05	330	6.0
1N5067		10.0	75	40	7.6	7.2	4	06	300	5.0
1N4883		12	65	10	9.1	8.6	6	07	250	4.0
1N5069		13	50	10	9.9	9.3	6	07	230	4.0
1N5070		14	50	10	10.6	10.1	6	07	210	4.0
1N5071		15	50	10	11.4	10.8	6	07	200	3.0
1N5072		16	50	5	12.2	11.5	7	07	185	3.0
1N5073		18	40	5	13.7	12.9	8	08	170	2.0
1N4884		20	40	5	15.2	14.4	9	08	150	2.0
1N5074		22	30	5	16.7	15.8	10	08	135	2.0
1N5075		24	30	5	18.2	17.3	10	08	125	1.5
1N5076		27	25	1	20.6	19.4	12	09	110	1.5
1N5077		30	25	1	22.8	21.6	15	090	100	1.5
1N5078		33	20	1	25.1	23.7	21	090	90	1.2
1N5079		36	20	1	27.4	25.9	21	090	85	1.0
1N5081		40	20	1	30.4	28.8	27	095	75	1.0
1N5083		45	15	1	34.2	32.4	37	095	65	0.8
1N5085		50	15	1	38.0	36.0	50	095	60	0.8
1N5087		56	10	1	42.6	40.3	70	095	55	0.7
1N5088		60	10	1	45.7	43.2	70	095	50	0.6
1N5091		70	10	1	53.3	50.5	90	095	45	0.6
1N5092		75	10	1	56.0	54.0	100	095	40	0.5
1N5093		80	10	1	60.8	57.7	115	095	35	0.4
1N4096		90	8.0	1	68.5	64.8	150	095	30	0.4
1N4097		100	5.0	1	76.0	72.0	175	100	30	0.4
1N5096		110	5.0	1	83.6	79.2	250	100	25	0.3
1N5097		120	5.0	1	91.2	86.4	325	100	25	0.2
1N5098		130	5.0	1	98.8	93.6	375	100	20	0.20
1N5099		140	5.0	1	106	101	550	100	20	0.20
1N4098		150	5.0	1	114	108	650	100	20	0.20
1N5100		160	4.0	1	122	115	700	100	20	0.15
1N5101		170	4.0	1	129	122	750	100	18	0.15

