

TYPE	MATERIAL	REPLACEMENT	PAGE NUMBER	IDENTIFICATION	RECTIFIERS					ZENER DIODES			
					V <sub>R</sub> (volts)	V <sub>F</sub> (volts)	I <sub>O</sub> (Amps)	I <sub>R</sub> (mA)	I <sub>surge</sub> (Amps)	V <sub>Z</sub> (min)	V <sub>Z</sub> (nom) *	Tol V <sub>Z</sub> %	P <sub>D</sub>
					SIGNAL DIODES					REFERENCE DIODES			
					PRV (volts)	V <sub>F</sub> @ I <sub>F</sub> (volts)	I <sub>R</sub>	t <sub>r</sub> (μs)	TC %/°C	V <sub>Z</sub>	T (min) °C	T (max) °C	
1N2668	S			R	4800	15.6	1.5	0.8	15				
1N2669	S			R	100	1.3	3.6	0.3	15				
1N2673	S			R	200	1.3	3.6	0.3	15				
1N2677	S			R	300	1.3	3.6	0.3	15				
1N2681	S			R	400	1.3	3.6	0.3	15				
1N2685	S			R	600	2.6	3.6	0.3	15				
1N2687	S			R	800	2.6	3.6	0.3	15				
1N2689	S			R	900	3.9	3.6	0.8	15				
1N2690	S			R	1200	3.9	3.6	0.8	15				
1N2691	S			R	1600	5.2	3.6	0.8	15				
1N2692	S			R	100	1.3	7.2	0.3	15				
1N2694	S			R	200	1.3	7.2	0.3	15				
1N2696	S			R	300	1.3	7.2	0.3	15				
1N2698	S			R	400	1.3	7.2	0.3	15				
1N2700	S			R	600	2.6	7.2	0.3	15				
1N2701	S			R	800	2.6	7.2	0.3	15				
1N2702	S			R	100	1.3	3.0	0.2	15				
1N2705	S			R	200	1.3	3.0	0.2	15				
1N2708	S			R	300	1.3	3.0	0.2	15				
1N2711	S			R	400	1.3	3.0	0.2	15				
1N2714	S			R	600	2.6	3.0	0.2	15				
1N2717	S			R	800	2.6	3.0	0.2	15				
1N2720	S			R	1200	3.9	3.0	0.8	15				
1N2722	S			R	1600	5.2	3.0	0.8	15				
1N2723	S			R	2000	6.5	3.0	0.8	15				
1N2724	S			R	2400	7.8	3.0	0.8	15				
1N2725	S	1N4720	3-28	R	100	1.3	3.0	0.3	15				
1N2728	S	1N4721	3-28	R	200	1.3	3.0	0.3	15				
1N2731	S	MR1033A	3-28	R	300	1.3	3.0	0.3	15				
1N2734	S	1N4722	3-28	R	400	1.3	3.0	0.3	15				
1N2737	S	1N4723	3-28	R	600	2.6	3.0	0.3	15				
1N2738	S	1N4724	3-28	R	800	2.6	3.0	0.3	15				
1N2739	S			R	1200	3.9	3.0	0.8	15				
1N2740	S			R	100	1.3	3.6	0.3	15				
1N2742	S			R	200	1.3	3.6	0.3	15				
1N2744	S			R	300	1.3	3.6	0.3	15				
1N2746	S			R	400	1.3	3.6	0.3	15				
1N2748	S			R	600	2.6	3.6	0.3	15				
1N2749	S			R	800	2.6	3.6	0.3	15				
1N2750	S			R	100	1.3	3.0	0.3	15				
1N2753	S			R	200	1.3	3.0	0.3	15				
1N2756	S			R	300	1.3	3.0	0.3	15				
1N2759	S			R	400	1.3	3.0	0.3	15				
1N2762	S			R	600	2.6	3.0	0.3	15				
1N2763	S			R	800	2.6	3.0	0.3	15				
1N2764	S			R	1200	3.9	3.0	0.8	15				
1N2765	S	1N823A	2-45	RD						0.005	6.8	-55	100
1N2765A	S	1N825A	2-45	RD						0.0025	6.8	-55	100
1N2766	S	1N1736A	2-45	RD						0.005	13.6	-55	100
1N2766A	S	1N1736A	2-45	RD						0.0025	13.6	-55	100
1N2767	S			RD						0.005	20.4	-55	100
1N2767A	S			RD						0.0025	20.4	-55	100
1N2768	S			RD						0.005	27.2	-55	100
1N2768A	S			RD						0.0025	27.2	-55	100
1N2769	S			RD						0.005	34.0	-55	100
1N2769A	S			RD						0.0025	34.0	-55	100
1N2770	S			RD						0.005	40.8	-55	100
1N2770A	S			RD						0.0025	40.8	-55	100
1N2771	S			RD									
1N2772	S			R	700	1.8	0.5		15				
1N2773	S			R	800	1.8	0.5		15				
1N2774	S			R	900	1.8	0.5		15				
1N2775	S			R	1000	1.8	0.5		15				
1N2776	S			R	1100	1.8	0.5		15				
1N2777	S			R	1200	1.8	0.5		15				
1N2778	S			R	1300	1.8	0.5		15				
1N2779	S			R	1400	1.8	0.5		15				
1N2780	S			R	1500	1.8	0.5		15				
1N2781	S			R	1600	1.8	0.5		15				
1N2782	S			SP	5.0			2.0*					
1N2783	S	1N3000A	2-19	ZD							62*	10	6.0W
1N2784	S			R	200	1.5	8.0	5.0	200				
1N2785	S			R	400	1.5	8.0	5.0	200				
1N2786	S			R	200	1.2	10	10.0	180				
1N2787	S			R	400	1.2	10	10.0	180				
1N2788	S			R	200	1.3	12.5	5.0	340				
1N2789	S			R	400	1.3	12.5	5.0	340				
1N2790	S	1N3156	2-45	RD						0.002	8.5	-55	100
1N2791	S			HC		1.3	50M	0.05*	4.0				
1N2792	G												
1N2793	S	1N1183	3-11	R	50	1.25	5.0	5.0	75				

R—Rectifier, RD—Reference Diode, ZD—Zener Diode, GP—General Purpose, HC—High Conductance (≧ 20 mA @ ≤ 1 V), HS—High Speed Switch (Max t<sub>r</sub> < 0.3 μs), CS—High Conductance, High Speed Switch, MS—Medium Speed Switch, PA—Parametric Amplifier, SP—Special Purpose.

— Reference Diodes —

Type Number	Max Voltage Change $\Delta V$ Volts	Temperature Coefficient %/°C For Reference	Max Dynamic Impedance $Z_T$ Ohms	Power Dissipation P mW	Case
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**TABLE 33**  
 $V_Z = 37.2 \text{ V} \pm 5\%$  at  $I_{ZT} = 7.5 \text{ mA}$

1N1740	0.300	0.01	120	1200 ①	41-4
1N1740A	0.150	0.005	120	1200 ②	41-4

**TABLE 34**  
 $V_Z = 40.8 \text{ V} \pm 5\%$  at  $I_{ZT} = 7.5 \text{ mA}$   
 Test Temperatures: -55, +25, +100°C

1N2770	0.316	0.005	120	1200 ①	41-1
1N2770A	0.158	0.0025	120	1200 ②	41-1

**TABLE 35**  
 $V_Z = 43.4 \text{ V} \pm 5\%$  at  $I_{ZT} = 7.5 \text{ mA}$   
 Test Temperatures: -55, +25, +100°C

1N1741	0.350	0.01	140	1400 ①	41-4
1N1741A	0.175	0.005	140	1400 ②	41-4

Type Number	Max Voltage Change $\Delta V$ Volts	Temperature Coefficient %/°C For Reference	Max Dynamic Impedance $Z_T$ Ohms	Power Dissipation P mW	Case
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**TABLE 36**  
 $V_Z = 49.6 \text{ V} \pm 5\%$  at  $I_{ZT} = 7.5 \text{ mA}$   
 Test Temperatures: -55, +25, +100°C

1N1742	0.400	0.01	180	1600 ①	41-4
1N1742A	0.200	0.005	180	1600 ②	41-4

①  $T_J = -65 \text{ to } +150^\circ\text{C}$

②  $T_J = -65 \text{ to } +175^\circ\text{C}$

† The indicated power rating is recommended for conservative design limits in critical high reliability applications. Registered power ratings vary from 250 mW to 500 mW. All devices indicated are supplied in the 400 mW glass package.