

1N2867-1N2976A

TYPE	MATERIAL	REPLACEMENT	PAGE NUMBER	IDENTIFICATION	RECTIFIERS					ZENER DIODES			
					V_R (volts)	V_F (volts)	I_O (Amps)	I_R (mA)	I_{surge} (Amps)	V_Z (min)	V_Z (nom) *	Tol V_Z %	P_D
					SIGNAL DIODES					REFERENCE DIODES			
					P_{RV} (volts)	V_F @ I_F (volts)		I_R	t_{rr} (μs)	TC %/°C	V_Z	T (min) °C	T (max) °C
1N2867	S			R	1000	2.5	0.7	0.1	7.0				
1N2868	S			R	1500	2.5	0.7	0.1	7.0				
1N2878	S	1N4006	3-24	HC	700	2.0	250M	0.5*					
1N2879	S	1N4006	3-24	HC	700	2.0	250M	0.5*					
1N2880	S	1N4007	3-24	HC	1.0K	2.0	250M	0.5*					
1N2881	S	1N4007	3-24	HC	1.0K	2.0	250M	0.5*					
1N2882	S	1N4007	3-24	HC	500	3.0	250M	0.5*					
1N2883	S	1N4007	3-24	HC	500	3.0	250M	0.5*					
1N2884	S	MR991	3-37	HC	400	4.0	250M	0.5*					
1N2885	S	MR991	3-37	HC	400	4.0	250M	0.5*					
1N2886	S	MR991	3-37	HC	500	3.0	250M	0.5*					
1N2887	S	MR991	3-37	HC	500	3.0	250M	0.5*					
1N2888	S			HC	750	5.0	250M	0.5*					
1N2889	S	MR992	3-37	HC	750	5.0	250M	0.5*					
1N2890	S	MR992	3-37	HC	2.0K	4.0	250M	0.5*					
1N2891	S	MR992	3-37	HC	2.0K	4.0	250M	0.5*					
1N2892	S	MR993	3-37	HC	100	6.0	250M	0.5*					
1N2893	S	MR993	3-37	HC	100	6.0	250M	0.5*					
1N2894	S	MR994	3-37	HC	450	7.0	250M	0.5*					
1N2895	S	MR994	3-37	HC	450	7.0	250M	0.5*					
1N2896	S	MR994	3-37	HC	500	5.0	250M	0.5*					
1N2897	S	MR994	3-37	HC	500	5.0	250M	0.5*					
1N2898	S			HC	800	8.0	250M	0.5*					
1N2899	S			HC	800	8.0	250M	0.5*					
1N2900	S			HC	3.0K	6.0	250M	0.5*					
1N2901	S			HC	3.0K	6.0	250M	0.5*					
1N2902	S			HC	150	9.0	250M	0.5*					
1N2903	S			HC	150	9.0	250M	0.5*					
1N2904	S			HC	500	7.0	250M	0.5*					
1N2905	S			HC	500	7.0	250M	0.5*					
1N2906	S			HC	500	10	250M	0.5*					
1N2907	S			HC	500	10	250M	0.5*					
1N2908	S			HC	850	11	250M	0.5*					
1N2909	S			HC	850	11	250M	0.5*					
1N2910	S			HC	4.0K	8.0	250M	0.5*					
1N2911	S			HC	4.0K	8.0	250M	0.5*					
1N2912	S			HC	200	12	250M	0.5*					
1N2913	S			HC	200	12	250M	0.5*					
1N2914	S			HC	500	9.0	250M	0.5*					
1N2915	S			HC	500	9.0	250M	0.5*					
1N2916	S			HC	550	13	250M	0.5*					
1N2917	S			HC	550	13	250M	0.5*					
1N2918	S			HC	5.0K	10	250M	0.5*					
1N2919	S			HC	5.0K	10	250M	0.5*					
1N2920	S			HC	500	11	250M	0.5*					
1N2921	S			HC	500	11	250M	0.5*					
1N2922	S			HC	6.0K	12	250M	0.5*					
1N2923	S			HC	6.0K	12	250M	0.5*					
1N2924	S			HC	500	13	250M	0.5*					
1N2925	S			HC	500	13	250M	0.5*					
1N2926		Microwave X-K band Detector											
1N2926A		Microwave X-K band Detector											
1N2927,A		Tunnel Diodes, See table on page 1-92											
1N2934,A		Tunnel Diodes, See table on page 1-92											
1N2937	S	1N2996A	2-19	ZD						42.5	57.5		10W
1N2938	S			ZD						0.75	1.05		2.0W
1N2939,A		Tunnel Diodes, See table on page 1-92											
1N2941,A		Tunnel Diodes, See table on page 1-92											
1N2969		Tunnel Diode, See table on page 1-92											
1N2969A		Tunnel Diode, See table on page 1-92											
1N2970	S		2-19	ZD						6.8*	20		10W
1N2970A	S		2-19	ZD						6.8*	10		10W
1N2970B	S		2-19	ZD						6.8*	5.0		10W
1N2971	S		2-19	ZD						7.5*	20		10W
1N2971A	S		2-19	ZD						7.5*	10		10W
1N2971B	S		2-19	ZD						7.5*	5.0		10W
1N2972	S		2-19	ZD						8.2*	20		10W
1N2972A	S		2-19	ZD						8.2*	10		10W
1N2972B	S		2-19	ZD						8.2*	5.0		10W
1N2973	S		2-19	ZD						9.1*	20		10W
1N2973A	S		2-19	ZD						9.1*	10		10W
1N2973B	S		2-19	ZD						9.1*	5.0		10W
1N2974	S		2-19	ZD						10*	20		10W
1N2974A	S		2-19	ZD						10*	10		10W
1N2974B	S		2-19	ZD						10*	5.0		10W
1N2975	S		2-19	ZD						11*	20		10W
1N2975A	S		2-19	ZD						11*	10		10W
1N2975B	S		2-19	ZD						11*	5.0		10W
1N2976	S		2-19	ZD						12*	20		10W
1N2976A	S		2-19	ZD						12*	10		10W

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

QUICK SELECTOR GUIDE

1 WATT Cathode to Case		1½ WATT Cathode to Case	10 WATT Cathode to Case = 1N3093 series Anode to Case = 1N2970 series		50 WATT Anode to Case		Nominal Zener Voltage (NOTE 6)
 CASE 52		 CASE 55	 CASE 56		 CASE 54	 CASE 58	
INDUSTRIAL (NOTE 2, 3)	MIL-S-19500/115 *	INDUSTRIAL (NOTE 3)	INDUSTRIAL (NOTE 2, 3, 4)	MIL-S-19500/272 (1N3993A-4000A) * MIL-S-19500/125 (1N2970B-3015B) (NOTE 4)	INDUSTRIAL (NOTE 3, 4)	MIL-S-19500/114 (NOTE 4) *	INDUSTRIAL (NOTE 3, 4)
1N3821 1N3822 1N3823	1N3821A 1N3822A 1N3823A		1N3993&R	1N3993A&RA	1N4557&R		1N4549&R
1N3824 1N3825 1N3826 1N3827 1N3828	1N3824A 1N3825A 1N3826A 1N3827A 1N3828A		1N3994&R 1N3995&R 1N3996&R 1N3997&R 1N3998&R	1N3994A&RA 1N3995A&RA 1N3996A&RA 1N3997A&RA 1N3998A&RA	1N4558&R 1N4559&R 1N4560&R 1N4561&R 1N4562&R		1N4550&R 1N4551&R 1N4552&R 1N4553&R 1N4554&R
1N3829 1N3016	1N3016B	1N3785	1N3999&R 1N2970&R	1N3999A&RA 1N2970B&RB	1N4563&R 1N2804&R	1N2804B&RB	1N4555&R 1N3305&R
1N3830 1N3017	1N3017B	1N3786	1N4000&R 1N2971&R	1N4000A&RA 1N2971B&RB	1N4564&R 1N2805&R	1N2805B&RB	1N4556&R 1N3306&R
1N3018	1N3018B	1N3787	1N2972&R	1N2972B&RB	1N2806&R	1N2806B&RB	1N3307&R
1N3019	1N3019B	1N3788	1N2973&R	1N2973B&RB	1N2807&R	1N2807B&RB	1N3308&R
1N3020	1N3020B	1N3789	1N2974&R	1N2974B&RB	1N2808&R	1N2808B&RB	1N3309&R
1N3021	1N3021B	1N3790	1N2975&R	1N2975B&RB	1N2809&R	1N2809B&RB	1N3310&R
1N3022	1N3022B	1N3791	1N2976&R	1N2976B&RB	1N2810&R	1N2810B&RB	1N3311&R
1N3023 1N3024 1N3025 1N3026 1N3027 1N3028	1N3023B 1N3024B 1N3025B 1N3026B 1N3027B 1N3028B	1N3792 1N3793 1N3794 1N3795 1N3796 1N3797	1N2977&R 1N2978&R 1N2980&R 1N2982&R 1N2984&R 1N2985&R	1N2977B&RB 1N2978B&RB 1N2980B&RB 1N2982B&RB 1N2984B&RB 1N2985B&RB	1N2811&R 1N2813&R 1N2814&R 1N2816&R 1N2818&R 1N2819&R	1N2811B&RB 1N2813B&RB 1N2814B&RB 1N2816B&RB 1N2818B&RB 1N2819B&RB	1N3312&R 1N3314&R 1N3315&R 1N3317&R 1N3319&R 1N3320&R
1N3029 1N3030 1N3031 1N3032 1N3033 1N3034	1N3029B 1N3030B 1N3031B 1N3032B 1N3033B 1N3034B	1N3798 1N3799 1N3800 1N3801 1N3802 1N3803	1N2986&R 1N2988&R 1N2989&R 1N2990&R 1N2991&R 1N2992&R	1N2986B&RB 1N2988B&RB 1N2989B&RB 1N2990B&RB 1N2991B&RB 1N2992B&RB	1N2820&R 1N2822&R 1N2823&R 1N2824&R 1N2825&R 1N2826&R	1N2820B&RB 1N2822B&RB 1N2823B&RB 1N2824B&RB 1N2825B&RB 1N2826B&RB	1N3321&R 1N3323&R 1N3324&R 1N3325&R 1N3326&R 1N3327&R
1N3035 1N3036 1N3037 1N3038 1N3039 1N3040	1N3035B 1N3036B 1N3037B 1N3038B 1N3039B 1N3040B	1N3804 1N3805 1N3806 1N3807 1N3808 1N3809	1N2993&R 1N2995&R 1N2997&R 1N2999&R 1N3000&R 1N3001&R	1N2993B&RB 1N2995B&RB 1N2997B&RB 1N2999B&RB 1N3000B&RB 1N3001B&RB	1N2827&R 1N2829&R 1N2831&R 1N2832&R 1N2833&R 1N2834&R	1N2827B&RB 1N2829B&RB 1N2831B&RB 1N2832B&RB 1N2833B&RB 1N2834B&RB	1N3328&R 1N3330&R 1N3332&R 1N3334&R 1N3335&R 1N3336&R
1N3041 1N3042 1N3043 1N3044 1N3045 1N3046	1N3041B 1N3042B 1N3043B 1N3044B 1N3045B 1N3046B	1N3810 1N3811 1N3812 1N3813 1N3814 1N3815	1N3002&R 1N3003&R 1N3004&R 1N3005&R 1N3007&R 1N3008&R	1N3002B&RB 1N3003B&RB 1N3004B&RB 1N3005B&RB 1N3007B&RB 1N3008B&RB	1N2835&R 1N2836&R 1N2837&R 1N2838&R 1N2840&R 1N2841&R	1N2835B&RB 1N2836B&RB 1N2837B&RB 1N2838B&RB 1N2840B&RB 1N2841B&RB	1N3337&R 1N3338&R 1N3339&R 1N3340&R 1N3342&R 1N3343&R
1N3047 1N3048 1N3049 1N3050 1N3051	1N3047B 1N3048B 1N3049B 1N3050B 1N3051B	1N3816 1N3817 1N3818 1N3819 1N3820	1N3009&R 1N3011&R 1N3012&R 1N3014&R 1N3015&R	1N3009B&RB 1N3011B&RB 1N3012B&RB 1N3014B&RB 1N3015B&RB	1N2842&R 1N2843&R 1N2844&R 1N2845&R 1N2846&R	1N2842B&RB 1N2843B&RB 1N2844B&RB 1N2845B&RB 1N2846B&RB	1N3344&R 1N3346&R 1N3347&R 1N3349&R 1N3350&R

4. R, RA & RB = Reverse Polarity Types Available.

5. No suffix is $\pm 10\%$ tolerance, "A" suffix is $\pm 10\%$ tolerance, "B" suffix is $\pm 5\%$ tolerance.

6. Contact your Semiconductor Representative for information on Military and Mag A-Life II Types and Intermediate voltages.

* Military and Mag-A-Life II Types