

**1N3072-1N3168**

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>rr</sub> (μs)	TC %/°C	V <sub>Z</sub>	T (min) °C	T (max) °C	
1N3072	S			R	50	1.5	0.2	0.5	10				
1N3073	S			R	100	1.5	0.2	0.5	10				
1N3074	S			R	150	1.5	0.2	0.5	10				
1N3075	S			R	200	1.5	0.2	0.5	10				
1N3076	S			R	250	1.5	0.2	0.5	10				
1N3077	S			R	300	1.5	0.2	0.5	10				
1N3078	S			R	350	1.5	0.2	0.5	10				
1N3079	S			R	400	1.5	0.2	0.5	10				
1N3080	S			R	500	1.5	0.2	0.5	10				
1N3081	S			R	600	1.5	0.2	0.5	10				
1N3082	S			R	200	1.25	0.5	0.2	15				
1N3083	S			R	400	1.25	0.5	0.2	15				
1N3084	S			R	600	1.25	0.5	0.2	15				
1N3085	S	MR1221SB	3-39	R	100	1.1	150	40	1500				
1N3086	S	MR1223SB	3-39	R	200	1.1	150	40	1500				
1N3087	S	MR1225SB	3-39	R	300	1.1	150	40	1500				
1N3088	S	MR1227SB	3-39	R	400	1.1	150	40	1500				
1N3089	S			R	500	1.1	150	40	1500				
1N3090	S			R	600	1.1	150	40	1500				
1N3091	S			R	800	1.1	150	40	1500				
1N3092	S			R	1000	1.1	150	40	1500				
1N3093	G	X-band Switch											
1N3097	G			MS	30	0.5	10M	4.0*	0.5				
1N3098	S	1N3046A	2-20	ZD						110	130		1.0W
1N3099	S	1N3048A	2-20	ZD						130	160		1.0W
1N3100	S	1N3050A	2-20	ZD						160	200		1.0W
1N3101	S	1N3051	2-20	ZD						200	240		1.0W
1N3102	S	1N3008A	2-19	ZD						110	130		10W
1N3103	S	1N3011	2-19	ZD						130	160		10W
1N3104	S	1N3014A	2-19	ZD						160	200		10W
1N3105	S	1N3015	2-19	ZD						200	240		10W
1N3106	S			R	800	1.6	0.75	0.3	30				
1N3107	S			R	1200	3.2	0.5	0.3	15				
1N3108	S			R	800	1.6	1.5	0.3	30				
1N3109	S			R	1200	3.2	0.7	0.3	15				
1N3110	G			GP	8.0	0.45	5.0M	20*					
1N3111	S	MR1290SB	3-49	R	50	1.1	150	40	1500				
1N3112	S	1N4737A	2-29	ZD						7.13	7.88		1.0W
1N3113													
1N3120													
1N3121	G			MS	50	0.25	0.1M	3.5*	0.5				
1N3122	G			GP	20	0.3	1.0M	4.5*					
1N3123	S			HS	40	1.5	10M	0.1*	4.0				
1N3124	S			HS	40	1.0	20M	0.1*	4.0				
1N3125	G			MS	40	0.4	5.0M	100*	0.3				
1N3128													
1N3130													
1N3138													
1N3139	S			R	50	1.55	70	15	1200				
1N3140	S			R	100	1.55	70	15	1200				
1N3141	S			R	150	1.55	70	15	1200				
1N3142	S			R	200	1.55	70	15	1200				
1N3143	G												
1N3144	G			MS	20	0.3	1.0M	20*	0.5				
1N3145	G			GP	65	0.45	10M	25*					
1N3146	G			CS	20	1.0	50M	100*	2.0				
1N3147	S			HC	45	1.0	100M		1.0				
1N3148	S	1N3155A	2-45	RD						0.005	8.5	-55	100
1N3149													
1N3149A													
1N3150													
1N3151	S			R	7200	27	0.1	250	12				
1N3154	S	2-45		RD						0.01	8.8	-55	100
1N3154A	S	2-45		RD						0.01	8.8	-55	150
1N3155	S	2-45		RD						0.005	8.8	-55	100
1N3155A	S	2-45		RD						0.005	8.8	-55	150
1N3156	S	2-45		RD						0.002	8.8	-55	100
1N3156A	S	2-45		RD						0.002	8.8	-55	150
1N3157	S	2-45		RD						0.001	8.8	-55	100
1N3157A	S	2-45		RD						0.001	8.8	-55	150
1N3159	G			MS	15	0.45	10M		0.3				
1N3160	G			GP	60	1.0	5.0M	12*					
1N3161	S	MR1230SB	3-52	R	50	1.30	240	16	3000				
1N3162	S	MR1231SB	3-52	R	100	1.30	240	16	3000				
1N3163	S	MR1232SB	3-52	R	150	1.30	240	16	3000				
1N3164	S	MR1233SB	3-52	R	200	1.30	240	16	3000				
1N3165	S	MR1234SB	3-52	R	250	1.30	240	16	3000				
1N3166	S	MR1235SB	3-52	R	300	1.30	240	16	3000				
1N3167	S	MR1236SB	3-52	R	350	1.30	240	16	3000				
1N3168	S	MR1237SB	3-52	R	400	1.30	240	16	3000				

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.

**TUNNEL DIODES INDEX**

1N2927 — 1N3720

TYPE	MATERIAL	$I_p$ (mA)	$I_r/I_v$	$V_p$ (mV)	C $C_J^*$ (pF)	f (GHz)
1N2927	S	0.10	2.5	75	80	
1N2927A	S	0.10	3.2	70	80	
1N2928	S	0.47	2.5	80	100	
1N2928A	S	0.47	3.2	74	100	
1N2929	S	1.0	2.5	80	150	
1N2929A	S	1.0	3.2	75	150	
1N2930	S	4.7	2.5	85	250	
1N2930A	S	4.7	3.2	79	250	
1N2931	S	10	2.5	85	400	
1N2931A	S	10	3.2	80	400	
1N2932	S	22	2.5	90	1200	
1N2932A	S	22	3.2	82	1200	
1N2933	S	47	2.5	90	1800	
1N2933A	S	47	3.2	83	1800	
1N2934	S	100	2.5	90	2500	
1N2934A	S	100	3.2	85	2500	
1N2939	G	1.0	10	65	15	2.2
1N2939A	G	1.0	7.0	60	10	
1N2940	G	1.0	7.7	65	10	2.2
1N2940A	G	1.0	4.4	65	7.0	
1N2941	G	4.7	7.9	65	50	2.6
1N2941A	G	4.7	4.4	65	30	
1N2969	G	2.2	7.6	65	25	2.5
1N2969A	G	2.2	4.5	65	15	
1N3113	GA	1.0	10		10	
1N3114	GA	2.2	10		10	
1N3115	GA	2.2	10		10	
1N3116	GA	4.7	10		15	
1N3117	GA	4.7	9.0		15	
1N3118	GA	10	10	160	20*	
1N3119	GA	10			20	
1N3120	GA	22	10			
1N3128	G	5.0	8.0	65	15	
1N3129	G	20	8.0	90	20	
1N3130	G	50	8.0	120	25	
1N3138	GA	50	13	260	30	
1N3149	G	10	7.7	65	90	2.6
1N3149A	G	10	4.4	65	50	
1N3150	G	22	7.6	65	125	2.2
1N3217	G	0.47	4.7		8.0	
1N3218	G	1.0	5.0		10	
1N3218A	G	1.0	5.0		5.0	
1N3219	G	2.2	5.0		20	
1N3219A	G	2.2	5.0		10	
1N3220	G	4.7	4.7		30	
1N3221	G	10	5.0	65	100	2.6
1N3221A	G	10	6.0		35	
1N3222	G	22	5.1		150	
1N3560	G	1.0	5.0	55	20	1.3
1N3561	G	1.0	8.0	55	20	1.3
1N3562	G	5.0	6.0	55	85	1.3
1N3712	G	1.0	5.0	65	10	2.3
1N3713	G	1.0	7.0	65	5.0	3.2
1N3714	G	2.2	4.2	65	25*	2.2
1N3715	G	2.2	7.0	65	10	3.0
1N3716	G	4.7	4.0	65	50	1.8
1N3717	G	4.7	7.6	65	25	3.4
1N3718	G	10	4.1	65	90	1.6
1N3719	G	10	7.0	65	50	
1N3720	G	22	4.2	65	150	1.6