

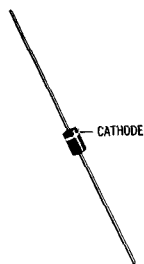
TYPE	MATERIAL	REPLACEMENT	PAGE NUMBER	IDENTIFICATION	RECTIFIERS					ZENER DIODES			
					V _R (volts)	V _F (volts)	I _O (Amps)	I _R (mA)	I _{surge} (Amps)	V _Z (min)	V _Z (nom) *	Tol V _Z %	P _D
					SIGNAL DIODES					REFERENCE DIODES			
					PRV (volts)	V _F @ I _F (volts)	I _R	t _r (μs)	TC %/°C	V _Z	T (min) °C	T (max) °C	
1N3567	S			CS	50	1.0	100M	0.05*	2.0				
1N3568	S			CS	80	1.0	20M	1.0*	2.0				
1N3569	S	1N4720	3-28	R	100	1.3	3.5	0.4	35				
1N3570	S	1N4721	3-28	R	200	1.3	3.5	0.4	35				
1N3571	S	MR1033A	3-28	R	300	1.3	3.5	0.4	35				
1N3572	S	1N4722	3-28	R	400	1.3	3.5	0.4	35				
1N3573	S	MR1035A	3-28	R	500	1.3	3.5	0.4	35				
1N3574	S	1N4723	3-28	R	600	1.3	3.5	0.4	35				
1N3575	S			GP	60	0.74	1.0M	0.75N					
1N3576	S			GP	125	0.74	1.0M	0.75N					
1N3577	S			GP	175	0.74	1.0M	0.75N					
1N3578	S			GP	225	0.74	1.0M	0.75N					
1N3579	S			GP	275	0.74	1.0M	0.75N					
1N3580	S		2-45	RD						0.01	12.28	0	75
1N3580A	S		2-45	RD						0.01	12.28	-55	100
1N3580B	S		2-45	RD						0.01	12.28	-55	150
1N3581	S		2-45	RD						0.005	12.28	0	75
1N3581A	S		2-45	RD						0.005	12.28	-55	100
1N3581B	S		2-45	RD						0.005	12.28	-55	150
1N3582	S		2-45	RD						0.002	12.28	0	75
1N3582A	S		2-45	RD						0.002	12.28	-55	100
1N3582B	S		2-45	RD						0.002	12.28	-55	150
1N3583	S	1N944	2-45	RD						0.001	12.28	0	75
1N3583A	S	1N944A	2-45	RD						0.001	12.28	-55	100
1N3583B	S	1N944B	2-45	RD						0.001	12.28	-55	150
1N3584	S	1N945	2-45	RD						0.005	12.28	0	75
1N3584A	S	1N945A	2-45	RD						0.005	12.28	-55	100
1N3584B	S	1N945B	2-45	RD						0.005	12.28	-55	150
1N3585	S	MR1240SB	3-55	R	50	1.25	400	25	8000				
1N3586	S	MR1241SB	3-55	R	100	1.25	400	25	8000				
1N3587	S	MR1243SB	3-55	R	200	1.25	400	25	8000				
1N3588	S	MR1245SB	3-55	R	300	1.25	400	25	8000				
1N3589	S	MR1247SB	3-55	R	400	1.25	400	25	8000				
1N3590	S			R	500	1.25	400	25	8000				
1N3591	S			R	600	1.25	400	25	8000				
1N3592	G			HS	30	0.35	2.0M	4.0*	0.04				
1N3593	S			HS	40	1.0	10M	25N	10				
1N3594	S			CS	60	1.0	50M	0.1M	6.0				
1N3595	S			HC	125	1.0	200M	1.0M	3.0				
1N3596	S			HS	20	1.0	30M	0.1*	4.0				
1N3597	S			CS	150	1.2	400M	0.1*	0.3				
1N3598	S			HS	50	0.85	10M	0.1*	4.0				
1N3599	S			CS	150	1.0	100M	0.1*	50				
1N3600	S			CS	50	1.0	200M	100*	6.0				
1N3601	S			HS	75	1.0	10M	0.1*	5.0				
1N3602	S			HS	50	1.0	20M	0.1*	5.0				
1N3603	S			HS	30	1.0	30M	0.1*	5.0				
1N3604	S			CS	75	1.0	50M	0.05*	2.0				
1N3605	S			HS	40	0.55	0.1M	0.05*	2.0				
1N3606	S			HS	75	0.55	0.1M	0.05*	2.0				
1N3607	S			CS	75	1.0	50M	0.05*	2.0				
1N3608	S			HS	40	0.55	0.1M	0.05*	2.0				
1N3609	S			HS	75	0.55	0.1M	0.05*	2.0				
1N3611	S	1N4003	3-24	HC	200	1.0	750M	10*					
1N3612	S	1N4004	3-24	HC	400	1.0	750M	10*					
1N3613	S	1N4005	3-24	HC	600	1.0	750M	10*					
1N3614	S	1N4006	3-24	HC	800	1.0	750M	10*					
1N3615	S	MR1120	3-39	R	50	1.2	16	3.0	300				
1N3616	S	MR1121	3-39	R	100	1.2	16	2.5	300				
1N3617	S	MR1122	3-39	R	150	1.2	16	2.25	300				
1N3618	S	MR1122	3-39	R	200	1.2	16	2.0	300				
1N3619	S	MR1123	3-39	R	300	1.2	16	1.75	300				
1N3620	S	MR1124	3-39	R	400	1.2	16	1.5	300				
1N3621	S	MR1125	3-39	R	500	1.2	16	1.25	300				
1N3622	S	MR1126	3-39	R	600	1.2	16	1.0	300				
1N3623	S	MR1128	3-39	R	800	1.2	16	0.75	300				
1N3624	S	MR1130	3-39	R	1000	1.2	16	0.6	300				
1N3625	S			MS	225	1.0	40M	0.5*	0.5				
1N3626	S			MS	50	0.5	10M	1.0M	0.45				
1N3627	G												
thru 1N3628		Varactor Diodes, See table on page 1-86											
1N3629	S			R	100	1.0	0.75	0.01	30				
1N3630	S			R	200	1.0	0.75	0.01	30				
1N3631	S			R	300	1.0	0.75	0.01	30				
1N3632	S			R	400	1.0	0.75	0.01	30				
1N3633	S			R	500	1.0	0.75	0.01	30				
1N3634	S			R	600	1.0	0.75	0.01	30				
1N3635	S			R	700	1.0	0.75	0.01	30				
1N3636	S			R	800	1.0	0.75	0.01	30				
1N3637	S			R	900	1.0	0.75	0.01	30				
1N3638	S			R	1000	1.0	0.75	0.01	30				

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.

JAN 1N3611 thru JAN 1N3613

$I_O = 1 \text{ A}$
 $V_R - \text{to } 600 \text{ V}$

CASE 59



Subminiature silicon rectifier with glass passivated surface in void-free, flame-proof, silicone polymer case. Tested in accordance with MIL-S-19500 for military applications requiring up to 1.0 ampere output at 100°C.

MAXIMUM RATINGS

(At 60 Hz Sinusoidal Input, Resistive or Inductive Load)

Rating	Symbol	JAN1N3611	JAN1N3612	JAN1N3613	Unit
Peak Repetitive Reverse Voltage	$V_{RM(rep)}$	240	480	720	Volts
Working Peak Reverse Voltage	$V_{RM(wkg)}$				Volts
DC Blocking Voltage	V_R	200	400	600	
Average Rectified Forward Current $T_A = 100^\circ \text{C}$ $T_A = 150^\circ \text{C}$	I_O	$\longleftrightarrow 1.0 \longleftrightarrow$ $\longleftrightarrow 0.3 \longleftrightarrow$			Ampere
Non-Repetitive Peak Surge Current (1/2 cycle, 60 Hz)	$I_{FM(surge)}$	$\longleftrightarrow 10 \longleftrightarrow$			Amperes
Operating and Storage Junction Temperature Range	T_J, T_{stg}	$\longleftrightarrow -65 \text{ to } +175 \longleftrightarrow$			$^\circ \text{C}$

ELECTRICAL CHARACTERISTICS

Characteristic	Symbol	Min	Max	Unit
Forward Voltage ($I_F = 1.0 \text{ Adc}$, $T_A = 100^\circ \text{C}$)	V_F	0.6	1.2	Vdc
Reverse Current ($V_R = 200 \text{ Vdc}$) ($V_R = 400 \text{ Vdc}$) ($V_R = 600 \text{ Vdc}$)	I_R	-	5.0	μAdc
Reverse Current at Rated $V_{RM(rep)}$ ($V_{RM(rep)} = 240 \text{ Vdc}$) ($V_{RM(rep)} = 480 \text{ Vdc}$) ($V_{RM(rep)} = 720 \text{ Vdc}$)	I_R	-	100	μAdc
High Temperature Operation: Reverse Current @ $T_A = 150^\circ \text{C}$ ($V_R = 200 \text{ Vdc}$) ($V_R = 400 \text{ Vdc}$) ($V_R = 600 \text{ Vdc}$)	I_R	-	300	μAdc