

Numerical Index

1N3488-1N3566

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) *	T_{ol} V_Z %	P_D
					SIGNAL DIODES					REFERENCE DIODES			
					V_{PRV} (volts)	V_F @ I_F (volts)	I_R	t_{rr} (μ s)	TC %/°C	V_Z	T (min) °C	T (max) °C	
1N3488 1N3489 thru 1N3490 1N3491 1N3492 1N3493 1N3494 1N3495	S S S S S S S S S	Varactor Diode, See table on page 1-86 4-Layer Diodes, See table on page 1-96		R R R R R	50 100 200 300 400	1.7 1.7 1.7 1.7 1.7	18 18 18 18 18	1.0 1.0 1.0 1.0 1.0	300 300 300 300 300				
1N3496 1N3497 1N3498	S S S	1N829 1N827 1N825	2-45 2-45 2-45	RD RD RD						0.005 0.002 0.001	6.5 6.5 6.5	0 0 0	75 75 75
1N3499 1N3500 1N3501 1N3502 1N3503 1N3504 1N3506 1N3507 1N3508 1N3509 1N3510 1N3511	S S S S S S S S S S S S	1N823 1N821 M2640 M2620 M2610 M2605 1N5226B 1N5227B 1N5228B 1N5229B 1N5230B 1N5231B	2-45 2-45 2-52 2-52 2-52 2-52 2-32 2-32 2-32 2-32 2-32 2-32	RD RD RD RD RD RD ZD ZD ZD ZD ZD ZD						0.0005 0.01	6.5 6.5 6.5 6.5 6.5 6.5 3.3* 3.6* 3.9* 4.3* 4.7* 5.1*	0 0 25 25 25 25 5.0 5.0 5.0 5.0 5.0 5.0	75 75 100 100 100 100 400M 400M 400M 400M 400M 400M
1N3512 1N3513 1N3514 1N3515 1N3516 1N3517 1N3518 1N3519 1N3520 1N3521 1N3522 1N3523	S S S S S S S S S S S S	1N5232B 1N5234B 1N5235B 1N5236B 1N5237B 1N5239B 1N5240B 1N5241B 1N5242B 1N5243B 1N5245B 1N5246B	2-32 2-32 2-32 2-32 2-32 2-32 2-32 2-32 2-32 2-32 2-32 2-32	ZD ZD ZD ZD ZD ZD ZD ZD ZD ZD ZD ZD							5.6* 6.2* 6.8* 7.5* 8.2* 9.1* 10* 11* 12* 13* 15* 16*	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	400M 400M 400M 400M 400M 400M 400M 400M 400M 400M 400M 400M
1N3524 1N3525 1N3526 1N3527 1N3528 1N3529 1N3530 1N3531 1N3532 1N3533 1N3534 1N3535 1N3536	S S S S S S S S S S S S S S	1N5248B 1N5250B 1N5251B 1N5252B 1N5254B 1N5256B 1N5257B 1N5258B 1N5259B 1N5260B 1N5261B	2-32 2-32 2-32 2-32 2-32 2-32 2-32 2-32 2-32 2-32 2-32	ZD ZD ZD ZD ZD ZD ZD ZD ZD ZD ZD							18* 20* 22* 24* 27* 30* 33* 36* 39* 43* 47*	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	400M 400M 400M 400M 400M 400M 400M 400M 400M 400M 400M
1N3537 1N3538 1N3539 1N3539A 1N3540 1N3540A 1N3541 1N3541A 1N3542 1N3542A 1N3543 1N3543A 1N3544	S S S S S S S S S S S S S S	1N4741A† Backward Diode Backward Diode Backward Diode Backward Diode Backward Diode Backward Diode Backward Diode Backward Diode Backward Diode Backward Diode Backward Diode 1N4002	2-29 3-24	ZD GP GP GP GP GP GP GP GP GP GP GP R	150 100	0.549 0.65 1.5	100M 1.0M 0.6	25N 0.2	15 15		12* 		1.0W
1N3545 1N3546 1N3547 1N3548 1N3549 1N3550 1N3551 thru 1N3552 1N3553 1N3554 thru	S S S S S S S S S S S S S	1N4003 1N4004 1N4004 1N4005 1N4005 Varactor Diodes, See table on page 1-86 1N821 Varactor Diodes, See table on page 1-86	3-24 3-24 3-24 3-24 3-24 2-45 	R R R R R RD 	200 300 400 500 600 100	1.5 1.5 1.5 1.5 1.5 	0.6 0.6 0.6 0.6 0.6 	0.2 0.2 0.2 0.2 0.2 	15 15 15 15 15 			-55	100
1N3557 1N3558 1N3559 1N3560 thru 1N3562 1N3563 1N3564 1N3565 1N3566	S G S G S S	Matched Pair of 1N751A's, Zener Diode Tunnel Diodes, See table on page 1-92		GP R GP HC R	24 1000 15 6.0 800	1.0 1.2 1.0 2.0 2.25	200M 0.4 40M 2.0A 1.0	20* 0.2 25M 0.5	40 40 20				

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

*Original device is a clipper, requires a pair of units for adequate replacement.

4-LAYER DIODES INDEX

1N3299-1N5160

TYPE	REPLACE- MENT	PAGE NUMBER	V _{(BR)F} (volts)		I _H (mA)		V _F @ I _F		I _F	P _D
			(min)	(max)	(min)	(max)	(volts)	(mA)	(mA)	(mW)
1N3299	M4L40M-8	4-67	36	44	1.0	15				150
1N3300	M4L20M-8	4-67	14.4	21.6	1.0	15	1.5	30	200	400
1N3300A			16.2	19.8	1.0	15	1.5	30	200	400
1N3301	M4L20M-8	4-67	17.6	26.4	1.0	15	1.5	30	200	400
1N3301A			19.8	24.2	1.0	15	1.5	30	200	400
1N3302	M4L30M-28	4-67	21.6	32.4	5.0	20	1.5	30	200	400
1N3302A			24.3	29.7	5.0	20	1.5	30	200	400
1N3303	M4L30M-28	4-67	26.4	39.6	5.0	20	1.5	30	200	400
1N3303A			29.7	36.3	5.0	20	1.5	30	200	400
1N3304	M4L40M-28	4-67	31.2	46.8	5.0	20	1.5	30	200	400
1N3304A			35.1	42.9	5.0	20	1.5	30	200	400
1N3489	M4L20-3	4-67	16	24	1.0	6.0				150
1N3489A			16	24	1.0	6.0				150
1N3490			16	24	1.4	4.5				150
1N3771						4.0	1.2			
1N3772	M4L20A	4-67				50	1.2			
1N3831	M4L20-8	4-67	16	24	0.5	15	1.2	15	150	150
1N3832	M4L30-8	4-67	21	29	0.5	15	1.2	15	150	150
1N3833	M4L30-8	4-67	26	34	0.5	15	1.2	15	150	150
1N3834	M4L40-8	4-67	31	39	0.5	15	1.2	15	150	150
1N3835	M4L40-8	4-67	36	44	0.5	15	1.2	15	150	150
1N3836	M4L50-8	4-67	41	49	0.5	15	1.2	15	150	150
1N3837	M4L50-8	4-67	46	54	0.5	15	1.2	15	150	150
1N3838			90	110	0.5	15	1.2	15	150	150
1N3839	M4L20M-28	4-67	16	24	14	50	1.2	50	150	150
1N3840	M4L30M-28	4-67	21	29	14	50	1.2	50	150	150
1N3841	M4L30M-28	4-67	26	34	14	50	1.2	50	150	150
1N3842	M4L40-28	4-67	31	39	14	50	1.2	50	150	150
1N3843	M4L40-28	4-67	36	44	14	50	1.2	50	150	150
1N3844	M4L50-28	4-67	41	49	14	50	1.2	50	150	150
1N3845	M4L50-28	4-67	46	54	14	50	1.2	50	150	150
1N3846			90	110	14	50	1.2	50	150	150
1N3935	M4L20M-28	4-67		30		30				
1N3936	M4L20M-8	4-67		20		8.0				
1N3937				100		3.5				
1N5158		4-70	8.0	10	1.0	20	1.5	150	150	150
1N5159		4-70	9.0	11	1.0	20	1.5	150	150	150
1N5160		4-70	10	12	1.0	20	1.5	150	150	150