

1N2370B-1N2500

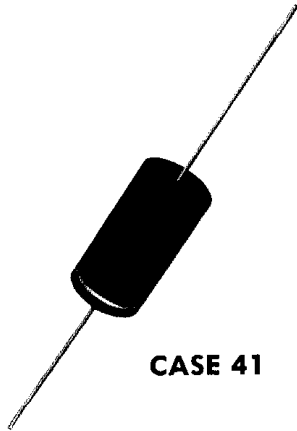
TYPE	MATERIAL	REPLACEMENT	PAGE NUMBER	IDENTIFICATION	RECTIFIERS					ZENER DIODES			
					V _R (volts)	V _F (volts)	I _O (Amps)	I _R (mA)	I _{surge} (Amps)	V _Z (min)	V _Z (nom) * V _Z (max)	Tol V _Z %	P _D
					SIGNAL DIODES					REFERENCE DIODES			
					PRV (volts)	V _F @ I _F (volts)	I _R	t _r (μs)	TC %/°C	V _Z	T (min) °C	T (max) °C	
1N2370B	S			R	2000		10	0.001	25				
1N2371	S			R	2000		1.0	0.001	15				
1N2371A	S			R	2000		5.0	0.001	20				
1N2371B	S			R	2000		10	0.001	25				
1N2372	S			R	1000	2.0	0.2	0.5	12				
1N2373	S	1N4005	3-24	R	600	3.0	0.1	0.250	12				
1N2374	S	1N4007	3-24	R	1000	3.0	0.1	0.250	12				
1N2375	S	MR991	3-37	R	1500	4.5	0.1	0.250	12				
1N2376	S	MR992	3-37	R	2000	7.5	0.1	0.250	12				
1N2377	S	MR993	3-37	R	2400	9.0	0.075	0.250	12				
1N2378	S	MR994	3-37	R	3000	9.0	0.075	0.250	12				
1N2379	S	1N2382	3-78	R	4000	15.0	0.05	0.250	12				
1N2380	S	1N2383	3-78	R	6000	22.5	0.05	0.250	12				
1N2381	S	1N2385	3-78	R	10K	37.5	0.025	0.250	12				
1N2382	S		3-78	R	4000	18	0.15	0.2	6.0				
1N2382A	S			R	4000	6.0	0.35	0.2	6.0				
1N2383	S		3-78	R	6000	27	0.1	0.2	6.0				
1N2383A	S			R	6000	9.0	0.35	0.2	6.0				
1N2384	S		3-78	R	8000	27	0.07	0.2	6.0				
1N2384A	S			R	8000	12	0.275	0.2	6.0				
1N2385	S			R	10K	39	0.07	0.2	6.0				
1N2385A	S			R	10K	15	0.2	0.2	6.0				
1N2386	G			PA	5.0								
1N2387	S	1N4751A	2-29	ZD						30*	5.0	1.0W	
1N2389	S			R	1600	4.8	0.6	0.5	15				
1N2390	S			R	50	1.2	1.5	0.3	35				
1N2391	S			R	100	1.2	1.5	0.3	35				
1N2392	S			R	200	1.2	1.5	0.3	35				
1N2393	S			R	300	1.2	1.5	0.3	35				
1N2394	S			R	400	1.2	1.5	0.3	35				
1N2395	S			R	500	1.2	1.5	0.3	35				
1N2396	S			R	600	1.2	1.5	0.3	35				
1N2397	S			R	700	1.2	1.5	0.3	35				
1N2398	S			R	800	1.2	1.5	0.3	35				
1N2399	S			R	50	1.2	1.5	0.3	35				
1N2400	S			R	100	1.2	1.5	0.3	35				
1N2401	S			R	200	1.2	1.5	0.3	35				
1N2402	S			R	300	1.2	1.5	0.3	35				
1N2403	S			R	400	1.2	1.5	0.3	35				
1N2404	S			R	500	1.2	1.5	0.3	35				
1N2405	S			R	600	1.2	1.5	0.3	35				
1N2406	S			R	700	1.2	1.5	0.3	35				
1N2407	S			R	800	1.2	1.5	0.3	35				
1N2408	S			R	50	1.2	1.5	0.3	35				
1N2409	S			R	100	1.2	1.5	0.3	35				
1N2410	S			R	200	1.2	1.5	0.3	35				
1N2411	S			R	300	1.2	1.5	0.3	35				
1N2412	S			R	400	1.2	1.5	0.3	35				
1N2413	S			R	500	1.2	1.5	0.3	35				
1N2414	S			R	600	1.2	1.5	0.3	35				
1N2415	S			R	700	1.2	1.5	0.3	35				
1N2416	S			R	800	1.2	1.5	0.3	35				
1N2417	S			R	50	1.2	1.5	0.3	35				
1N2418	S			R	100	1.2	1.5	0.3	35				
1N2419	S			R	200	1.2	1.5	0.3	35				
1N2420	S			R	300	1.2	1.5	0.3	35				
1N2421	S			R	400	1.2	1.5	0.3	35				
1N2422	S			R	500	1.2	1.5	0.3	35				
1N2423	S			R	600	1.2	1.5	0.3	35				
1N2424	S			R	700	1.2	1.5	0.3	35				
1N2425	S			R	800	1.2	1.5	0.3	35				
1N2482	S	1N4003	3-24	R	200	1.2	0.75	0.5	30				
1N2483	S	1N4004	3-24	R	400	1.2	0.75	0.5	30				
1N2484	S	1N4005	3-24	R	500	1.2	0.75	0.5	30				
1N2485	S	1N4003	3-24	R	200	1.2	0.75	0.5	30				
1N2486	S	1N4004	3-24	R	300	1.2	0.75	0.5	30				
1N2487	S	1N4004	3-24	R	400	1.2	0.75	0.5	30				
1N2488	S	1N4005	3-24	R	500	1.2	0.75	0.5	30				
1N2489	S	1N4005	3-24	R	600	1.2	0.75	0.5	30				
1N2490	S			R	1600	4.8	0.5	0.5	15				
1N2491	S			R	50	1.5	6.0	2.0	150				
1N2492	S			R	100	1.5	6.0	2.0	150				
1N2493	S			R	200	1.5	6.0	2.0	150				
1N2494	S			R	300	1.5	6.0	2.0	150				
1N2495	S			R	400	1.5	6.0	2.0	150				
1N2496	S			R	500	1.5	6.0	2.0	150				
1N2497	S			R	600	1.5	6.0	2.0	150				
1N2498	S		2-15	ZD						10*	10	10W	
1N2498A	S		2-15	ZD						10*	5.0	10W	
1N2499	S		2-15	ZD						11*	10	10W	
1N2499A	S		2-15	ZD						11*	5.0	10W	
1N2500	S		2-15	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.

HIGH VOLTAGE SILICON RECTIFIERS MOLDED ASSEMBLIES

1N1730 thru 1N1734
1N2382 thru 1N2385

I_O — to 0.2 A
 $V_{RM(rep)}$ — to 10,000 V



Standard single - phase, half - wave, high - voltage silicon rectifier assemblies.

CASE 41

MAXIMUM RATINGS (covering all devices in the table below)

Max. DC Reverse Current @ Rated Peak Reverse Voltage	25 °C	10 μ A
	100 °C	100 μ A
Max. Surge Current (8 ms)		2.5A
Operating Temperature		-55 °C to +150 °C

ELECTRICAL CHARACTERISTICS

Rectifier Types	V_{RM} (rep)	Avg. Rectified Fwd. Current - mA		Max. RMS Input Voltage	Max. DC Fwd. Voltage @ 100mA @ 25 °C	Case Dimensions		Lead Dimensions	
		@25 °C	@100 °C			L	Dia.	L	Dia.
1N1730	1000	200	100	700	5	.5	.375	1.250	.030
1N1731	1500	200	100	1050	5	.5	.375	1.250	.030
1N1732	2000	200	100	1400	9	1.0	.375	1.250	.030
1N1733	3000	150	75	2100	12	1.0	.375	1.250	.030
1N1734	5000	100	50	3500	18	1.0	.5	1.250	.030
1N2382	4000	150	75	2800	18	1.5	.5	1.250	.030
1N2383	6000	100	50	4200	27	1.5	.5	1.250	.030
1N2384	8000	70	35	5600	27	1.5	.5	1.250	.030
1N2385	10000	70	35	7000	39	2.0	.5	1.250	.030