

TYPE	MATERIAL	POLARITY	REPLACE- MENT	PAGE NUMBER	USE	MAXIMUM RATINGS						ELECTRICAL CHARACTERISTICS										
						P _D @ 25°C	P _D Ref Point	T _J °C	V _{CB} (volts)	V _{CE—} (volts)	Subscript	h _{FE} @ I _C		V _{CE(SAT)} @ I _C		h _{r—}	Subscript	f _T Units	Subscript			
												(min)	(max)	Units	Units							
2N781	G	P			HSS	150M	A	100	15	15	S	25		10M	0.16	10M						
2N782	G	P			HSS	150M	A	100	12	12	S	20		10M	0.20	10M						
2N783	S	N	2N834	8-54	HSS	300M	A	175	40	20	R	20	60	10M	0.25	10M				200M	T	T
2N784	S	N	2N834	8-54	HSS	300M	A	175	30	15	R	25		10M	0.19	10M				200M	T	T
2N784A	S	N	2N834	8-54	HSS	350M	A	200	40	20	R	25	150	10M	0.65	100M				300M	T	T
2N785	G	P			LNA	50M	A	85	12	12	S						40	E				
2N789	S	N			APA	150M	A	175	45	30	O				1.0	5.0M	9.0	E		1.0M	B	B
2N790	S	N			APA	150M	A	175	45	30	O				1.0	5.0M	18	E		2.0M	B	B
2N791	S	N			APA	150M	A	175	45	30	O				1.0	5.0M	18	E		8.0M	B	B
2N792	S	N			APA	150M	A	175	45	30	O				1.0	5.0M	36	E		2.0M	B	B
2N793	S	N			APA	150M	A	175	45	30	O				1.0	5.0M	76	E		2.0M	B	B
2N794	G	P			HSS	120M	A	85	13	13	S	30		10M	1.0	10M				2.5M	T	T
2N795	G	P			HSS	120M	A	85	13	13	S	30		10M	0.5	40M				35M	T	T
2N796	G	P			HSS	120M	A	85	13	13	S	50		10M	0.5	40M				50M	T	T
2N797	G	N			HSS	150M	A	100	20	7.0	O	40		10M	0.14	10M				600M	T	T
2N799	G	P			MSS	75M	A	85	25	12	O	30		12M	0.15	12M				4.0M	B	B
2N800	G	P			MSS	75M	A	85	25	12	O	30			0.15	12M				4.0M	B	B
2N801	G	P			MSS	75M	A	85	30	18	O	30	60									
2N802	G	P			MSS	75M	A	85	30	18	O	30	60									
2N803	G	P			MSS	75M	A	85	30	15	O	40	80									
2N804	G	P			MSS	75M	A	85	30	15	O	40										
2N805	G	P			MSS	75M	A	85	30	12	O	60										
2N806	G	P			MSS	75M	A	85	30	12	O	60										
2N807	G	P			MSS	70M	A	85	25	14	V	40		20M	0.2	20M				14M	B	B
2N808	G	P			MSS	70M	A	85	25	14	V	40		20M	0.2	20M				14M	B	B
2N809	G	P			RFA	75M	A	85	30	15	O	25	110	25M			30	E		3.0M	B	B
2N810	G	P			RFA	75M	A	85	30	15	O	25	110	25M			30	E		3.0M	B	B
2N811	G	P			RFA	75M	A	85	30	12	O	45	180	45M			50	E		5.0M	B	B
2N812	G	P			RFA	75M	A	85	30	12	O	45	180	45M			50	E		5.0M	B	B
2N813	G	P			RFA	75M	A	85	30	19	O	55	220	55M			70	E		15M	B	B
2N814	G	P			RFA	75M	A	85	30	10	O	55	220	55M			70	E		15M	B	B
2N815	G	N			MSS	75M	A	85	25	15	O	60	180	30M	0.75	200M						
2N816	G	N			MSS	75M	A	85	25	15	O	60	180	30M	0.75	200M						
2N817	G	N			MSS	75M	A	85	30	15	O	20		50M	0.25	50M						
2N818	G	N			MSS	75M	A	85	30	15	O	20		50M	0.25	50M						
2N819	G	N			MSS	75M	A	85	30	20	O	30		50M	0.25	50M						
2N820	G	N			MSS	75M	A	85	30	20	O	30		50M	0.25	50M						
2N821	G	N			MSS	75M	A	85	30	25	O	40		50M	0.25	50M						
2N822	G	N			MSS	75M	A	85	30	25	O	40		50M	0.25	50M						
2N823	G	N			MSS	75M	A	85	25	12	O	40		20M	0.15	12M						
2N824	G	P			RFA	70M	A	85	30	18	O									4.0M	B	B
2N825	G	P			MSS	70M	A	85	30	20	O	40	40							2.5M	B	B
2N826	G	P			MSS	70M	A	85	30	20	O	20								2.5M	B	B
2N827	G	P	8-47		HSS	150M	A	100	20	20	S	100		10M	0.25	10M				250M	T	T
2N828	G	P	8-49		HSS	150M	A	100	15	15	S	25		10M	0.2	10M				300M	T	T
2N828A	G	P	8-51		HSS	150M	A	100	15	15	S	25		10M	0.2	10M				300M	T	T
2N829	G	P	8-51		HSS	150M	A	100	15	15	S	25		10M	0.2	10M				300M	T	T
2N834	S	N	8-54		HSS	300M	A	175	40	30	S	25		10M	0.25	10M				350M	T	T
2N834A	S	N	8-54		HSS	360M	A	200	40	30	S	25		10M	0.25	10M				500M	T	T
2N835	S	N	8-54		HSS	0.3W	A	175	25	20	O	20		10M	0.3	10M				300M	T	T
2N837	G	P			HSS	150M	A	100	12	12	S	30		10M	0.25	10M						
2N838	G	P	8-57		HSS	150M	A	100	30	30	S	30		10M	0.18	10M				300M	T	T
2N839	S	N	2N2222	8-108	RFA	0.3W	A	175	45	45	O	15	50	10M	2.0	10M	20	E		30M	T	T
2N840	S	N	2N2221	8-108	RFA	0.3W	A	175	45	45	O	30	100	10M	2.0	10M	40	E		30M	T	T
2N841	S	N	2N2222	8-108	RFA	0.3W	A	175	45	45	O	60	400	10M	2.0	10M	80	E		40M	T	T
2N842	S	N	2N2221	8-108	RFA	0.3W	A	175	45	45	O	20	55	10M	1.2	10M	20	E		30M	T	T
2N843	S	N	2N2222	8-108	RFA	0.3W	A	175	45	45	O	45	150	10M	1.2	10M	40	E		40M	T	T
2N844	S	N			VID	0.3W	A	175	60	60	R	40	120	5.0M	0.8	10M				50M	T	T
2N845	S	N			VID	0.3W	A	175	100	80	R	40	120	5.0M	0.8	10M				50M	T	T
2N846	G	P	2N960	8-74	HSS	60M	A	100	15	15	S	25	125	10M	0.18	10M				320M	T	T
2N846A	G	P	2N960	8-74	HSS	150M	A	100	15	15	S	25	125	10M	0.14	10M				320M	T	T
2N847	S	N			MSS	0.2W	A	175	20	15	O				1.5	10M						
2N848	S	N			MSS	0.2W	A	175	40	25	O				1.5	10M						
2N849	S	N	2N835	8-54	HSS	300M	A	175	25	15	O	20	60	10M	0.6	10M				600M	T	T
2N850	S	N	2N834	8-54	HSS	300M	A	175	25	15	O	40	120	10M	0.6	10M				600M	T	T
2N851	S	N	2N835	8-54	HSS	300M	A	175	20	12	O	20	60	10M						300M	T	T
2N852	S	N	2N834	8-54	HSS	300M	A	175	20	12	O	40	120	10M						300M	T	T
2N858	S	P			MSS	150M	A	140	40	40	O	10	60	5.0M	0.15	5.0M	15	E		5.0M	T	T
2N859	S	P			MSS	150M	A	140	40	40	O	25	100	5.0M	0.15	5.0M	30	E		6.0M	T	T
2N860	S	P			MSS	150M	A	140	25	25	O	10	40									

THYRISTOR INDEX

2N681-2N1601

TYPE	REPLACEMENT	PAGE NUMBER	I _F A	V _{FOM} /V _{ROM} V	T _J °C	I _{GT} mA	V _{GT} V
2N681		4-10	25	25	125	40	2.0
2N681A			28	25	125	40	2.0
2N682		4-10	25	50	125	40	2.0
2N682A			28	50	125	40	2.0
2N683		4-10	25	100	125	40	2.0
2N683A			28	100	125	40	2.0
2N684		4-10	25	150	125	40	2.0
2N684A			28	150	125	40	2.0
2N685		4-10	25	200	125	40	2.0
2N685A			28	200	125	40	2.0
2N686		4-10	25	250	125	40	2.0
2N686A			28	250	125	40	2.0
2N687		4-10	25	300	125	40	2.0
2N687A			28	300	125	40	2.0
2N688		4-10	25	400	125	40	2.0
2N688A			28	400	125	40	2.0
2N689		4-10	25	500	125	40	2.0
2N689A			28	500	125	40	2.0
2N690			25	600	125	40	2.0
2N690A			25	600	125	40	2.0
2N691			25	700	125	40	2.0
2N692			25	800	125	40	2.0
2N764*			0.39	30	125	1.0	1.0
2N765*			0.20	60	125	1.0	1.0
2N766*			0.20	100	125	1.0	1.0
2N767*			0.20	200	125	1.0	1.0
2N876			0.35	15	150	0.2	0.8
2N877			0.35	30	150	0.2	0.8
2N878			0.35	60	150	0.2	0.8
2N879			0.35	100	150	0.2	0.8
2N880			0.35	150	150	0.2	0.8
2N881			0.35	200	150	0.2	0.8
2N882			0.35	300	150	0.2	0.8
2N883			0.35	400	150	0.2	0.8
2N884			0.35	15	150	0.02	0.6
2N885			0.35	30	150	0.02	0.6
2N886			0.35	60	150	0.02	0.6
2N887			0.35	100	150	0.02	0.6
2N888			0.35	150	150	0.02	0.6
2N889			0.35	200	150	0.02	0.6
2N890			0.35	300	150	0.02	0.6
2N891			0.35	400	150	0.02	0.6
2N892*			0.250	15	125	0.05	0.70
2N893*			0.250	15	125	0.05	0.70
2N894*			0.250	30/15	125	0.05	0.70
2N895*			0.250	30/15	125	0.05	0.70
2N896*			0.250	60/15	125	0.05	0.70
2N897*			0.250	60/15	125	0.05	0.70
2N898*			0.250	100/15	125	0.05	0.70
2N899*			0.250	100/15	125	0.05	0.70
2N900*			0.250	200/15	125	0.05	0.70
2N901*			0.250	200/15	125	0.05	0.70
2N948			0.26	30	150	0.02	1.0
2N949			0.26	60	150	0.02	1.0
2N950			0.26	100	150	0.02	1.0
2N951			0.26	200	150	0.02	1.0
2N1595		4-13	1.6	50	125	10	3.0
2N1595A			1.6	50	150	2.0	2.0
2N1596		4-13	1.6	100	125	10	3.0
2N1596A			1.6	100	150	2.0	2.0
2N1597		4-13	1.6	200	125	10	3.0
2N1597A			1.6	200	150	2.0	2.0
2N1598		4-13	1.6	300	125	10	3.0
2N1598A			1.6	300	150	2.0	2.0
2N1599		4-13	1.6	400	125	10	3.0
2N1599A			1.6	400	150	2.0	2.0
2N1600	2N4168	4-26	4.0	50	125	10	3.0
2N1600A			4.0	50	125	4.5	3.0
2N1601	2N4169	4-26	4.0	100	125	10	3.0

GENERAL PURPOSE SWITCHING AND AMPLIFIER TRANSISTORS (SILICON)

Current versus Voltage

BV _{CEO} Min Volts	OPTIMUM COLLECTOR CURRENT									
	0 to 10 mA		10 mA to 100 mA		100 mA to 500 mA		500 mA to 1.0 A		1.0 A to 3.0 A	
	NPN	PNP	NPN	PNP	NPN	PNP	NPN	PNP	NPN	PNP
15 ↓ 29	2N916 2N2330 2N2331		2N916 2N1983 2N1984		2N696 2N697 2N718 2N1420 2N2195	2N1991				
30 ↓ 39			2N2218 2N2219 2N2221 2N2222	2N3133 2N3134 2N3135 2N3136	2N2218 2N2219 2N2221 2N2222 2N3299 2N3300 2N3301 2N3302	2N2800 2N2801 2N2837 2N2838 2N3133 2N3134 2N3135 2N3136				
49 ↓ 59	2N758 2N795 2N760 2N915 2N929 2N930 2N3946 2N3947	2N3250 2N3251 MM4048	2N2218A 2N2219A 2N2221A 2N2222A 2N2224 2N3946 2N3947	2N3250 2N3251	2N2194 2N2218A 2N2219A 2N2221A 2N2222A	2N2904 2N2905 2N2906 2N2907 2N3485 2N3486 2N4890	2N3192 2N3193	2N3244 2N3245	2N3506 2N3507	
60 ↓ 79	2N758A 2N759A 2N760A 2N929A 2N930A MM2483 MM2484	2N3798 2N3799 2N3250A 2N3251A	2N910 2N911 2N1990	2N3250A 2N3251A	2N656 2N699	2N2904A 2N2905A 2N2906A 2N2907A 2N3485A 2N3486A				
80 ↓ 99	2N739 2N740	2N3494 2N3496	2N720A 2N1893 2N2405	2N3494 2N3496	2N720A 2N3019 2N3020		2N3019 2N3020			
100 ↓ 149	2N4924	2N3495 2N3497 2N4928	2N3498 2N3499 2N4924	2N3495 2N3497 2N3634 2N3635 2N4928	2N3498 2N3499 2N4924	2N3634 2N3635				
150 ↓ 249	2N3114 2N4925 2N4926	2N4929 2N4930	2N3500 2N3501 2N4925 2N4926	2N3635 2N3637 2N4929 2N4930	2N3500 2N3501 2N4925	2N3636 2N3637				
250 UP	2N3742 2N4927	2N3743 2N4931	2N3742 2N4927	2N3743 2N4931						