

## SILICON POWER TRANSISTORS

TYPE NUMBER	CASE TYPE	$V_{CBO}$ V	$V_{CEO}$ V	$V_{EBO}$ V	CURRENT GAIN				SATURATION VOLTAGES			
					$h_{FE}$		$V_{CE}$ V	$I_C$ A	$V_{CE(s)}$ V	$V_{BE(s)}$ V	$I_C$ A	$I_B$ A
					MIN.	MAX.						
<b>5 AMP SILICON NPN</b>												
2N2657	TO-5	80	60	8.0	40	120	2.0	1.0	.50	1.50	1.0	.100
2N2658	TO-5	100	80	8.0	40	120	2.0	1.0	.50	1.50	1.0	.100
2N2850-1	TO-5	100	80	5.0	40	120	1.0	1.0	.25	1.20	1.0	.050
2N2851-1	TO-5	100	80	5.0	40	120	1.0	1.0	.40	1.20	1.0	.050
2N2852-1	TO-5	100	80	5.0	20	60	1.0	1.0	.40	1.20	1.0	.100
2N2853-1	TO-5	60	40	5.0	40		1.0	1.0	1.50	2.00	5.0	.500
2N2855-1	TO-5	60	40	5.0	40	120	1.0	1.0	.40	1.20	1.0	.050
2N2856-1	TO-5	20	60	5.0	40	120	1.0	1.0	.40	1.20	1.0	.100
2N2877	TO-111	80	60	8.0	20	60	2.0	1.0	.25	1.20	1.0	.100
2N2878	TO-111	60	80	8.0	40	120	2.0	1.0	.25	1.20	1.0	.100
2N2879	TO-111	100	80	8.0	20	60	2.0	1.0	.25	1.20	1.0	.100
2N2880	TO-111	100	80	8.0	40	120	2.0	1.0	.25	1.20	1.0	.100
2N2891	TO-5	100	80	5.0	50	150	2.0	1.0	.75	1.30	2.0	.200
2N2892	TO-111	100	80	5.0	30	90	2.0	1.0	.75	1.30	2.0	.200
2N2893	TO-111	100	80	5.0	50	150	2.0	1.0	.75	1.30	2.0	.200
2N2984	TO-5	185	120	8.0	20	60	5.0	1.0	1.25	2.00	2.0	.400
2N2985	TO-5	155	80	8.0	40	120	5.0	1.0	1.25	2.00	2.0	.400
2N2986	TO-5	185	120	8.0	40	120	5.0	1.0	1.25	2.00	2.0	.400
2N3016	TO-5	100	50	4.0	60	150	5.0	1.0	.75	1.50	5.0	.500
2N3017	MT-27	100	50	4.0	60	150	5.0	1.0	.75	1.50	5.0	.500
2N3226	TO-3	35	35	6.0	20	50	3.0	2.0	1.00	2.00	2.0	.200
2N3418	TO-5	85	60	8.0	20	60	2.0	1.0	.50	1.40	2.0	.200
2N3419	TO-5	125	80	8.0	20	60	2.0	1.0	.50	1.40	2.0	.200
2N3420	TO-5	85	60	8.0	40	120	2.0	1.0	.50	1.40	2.0	.200
2N3421	TO-5	125	80	8.0	40	120	2.0	1.0	.50	1.40	2.0	.200
2N3469	TO-5	35	25	8.0	100		2.0	1.0	.50	1.50	1.0	.100
2N3506	TO-5	60	40	5.0	40	200	2.0	1.5	1.00	1.40	1.5	.150
2N3507	TO-5	80	50	5.0	30	150	2.0	1.5	1.00	1.40	1.5	.150
2N3619	TO-5	75	40	4.0	40		5.0	1.0	.75	1.30	1.0	.100
2N3623	TO-5	75	40	4.0	40		5.0	1.0	.75	1.30	1.0	.100
2N3627	TO-5	100	50	4.0	40		5.0	1.0	.75	1.30	1.0	.100
2N3675	TO-5	90	55	7.0	12	60	1.0	1.0	.80	1.80	1.0	.100
2N3676	TO-5	90	90	7.0	12	60	1.0	1.0	.80	1.80	1.0	.100
2N3744	TO-111-I	60	40	7.0	20	60	5.0	1.0	.25	1.20	1.0	.100
2N3745	TO-111-I	80	60	8.0	20	60	5.0	1.0	.25	1.20	1.0	.100
2N3746	TO-111-I	100	80	8.0	20	60	5.0	1.0	.25	1.20	1.0	.100
2N3747	TO-111-I	60	40	7.0	40	120	5.0	1.0	.25	1.20	1.0	.100
2N3748	TO-111-I	80	60	8.0	40	120	5.0	1.0	.25	1.20	1.0	.100
2N3749	TO-111-I	100	80	8.0	40	120	5.0	1.0	.25	1.20	1.0	.100
2N3750	TO-111-I	60	40	7.0	100	300	5.0	1.0	.25	1.20	1.0	.100
2N3751	TO-111-I	80	60	8.0	100	300	5.0	1.0	.25	1.20	1.0	.100
2N3752	TO-111-I	100	80	8.0	100	300	5.0	1.0	.25	1.20	1.0	.100
2N3788	TO-3	400	325	5.0	20	180	5.0	.5				
2N3850	TO-111	100	80	5.0	50	150	1.0	1.0	.50	1.30	2.0	.200
2N3851	TO-111	100	80	5.0	30	90	1.0	1.0	.50	1.30	2.0	.200
2N3852	TO-111	60	40	5.0	50	150	1.0	1.0	.50	1.30	2.0	.200
2N3853	TO-111	60	40	5.0	30	90	1.0	1.0	.50	1.30	2.0	.200
2N3878	TO-66	120	50	7.0	50	200	5.0	.5				
2N3879	TO-66	120	75	7.0	12	100	2.0	4.0				
2N3902	TO-3	400	400	5.0	30	90	5.0	1.0	2.50	2.00	2.5	.500
2N3928	TO-5	80	40	4.0	40	150	5.0	1.0	.50	1.25	1.0	.100
2N3929	TO-111	80	40	4.0	40	150	5.0	1.0	.50	1.25	1.0	.100
2N3996	TO-111-I	100	80	8.0	40	120	2.0	1.0	.25	1.60	1.0	.100
2N3997	TO-111-I	100	80	8.0	80	240	2.0	1.0	.25	1.60	1.0	.100
2N3998	TO-111	100	80	8.0	40	120	2.0	1.0	.25	1.60	1.0	.100
2N3999	TO-111	100	80	8.0	80	240	2.0	1.0	.25	1.60	1.0	.100
2N4150	TO-5	100	80	5.0	40	120	5.0	5.0	.60	1.50	5.0	.500
2N4231	TO-66	40	40	5.0	25	100	2.0	1.5	.70	1.40	1.5	.150
2N4232	TO-66	60	60	5.0	25	100	2.0	1.5	.70	1.40	1.5	.150
2N4233	TO-66	80	80	5.0	25	100	2.0	1.5	.70	1.40	1.5	.150

## SILICON POWER TRANSISTORS

$\theta_{JC}$ °C/W	TYPICAL SWITCHING TIMES					$V_{CE}$ V	$I_C$ A	$f_T$ MHz	EL	TYPE NUMBER
	$t_r$ $\mu s$	$t_{on}$ $\mu s$	$t_s$ $\mu s$	$t_f$ $\mu s$	$t_{off}$ $\mu s$					
<b>5 AMP SILICON NPN</b>										
25.00		.10	.06	.08		10	2.0	60.0	84	2N2657
25.00		.10	.06	.08		10	2.0	60.0	84	2N2658
25.00		175.00n	.40	175.00n		30	1.0	60.0	84	2N2850-1
25.00		175.00n	.40	175.00n		30	1.0	60.0	84	2N2851-1
25.00		175.00n	.40	175.00n		30	1.0	60.0	84	2N2852-1
25.00		175.00n	.40	175.00n		30	1.0	60.0	84	2N2853-1
25.00		175.00n	.40	175.00n		30	1.0	60.0	84	2N2855-1
25.00		175.00n	.40	175.00n		30	1.0	60.0	84	2N2856-1
3.33		.12	.60	.08		25	1.0	60.0	84	2N2877
3.33		.08	.60	.08		25	1.0	60.0	84	2N2878
3.33		.12	.60	.08		25	1.0	60.0	84	2N2879
3.33		.08	.60	.08		25	1.0	60.0	84	2N2880
25.00		.30			1.50	20	1.0	60.0	91	2N2891
3.33		.30			1.50	20	1.0	60.0	84	2N2892
3.33		.30			1.50	20	1.0	60.0	84	2N2893
25.00								60.0	84	2N2984
25.00								60.0	84	2N2985
25.00								60.0	84	2N2986
25.00								60.0	84	2N3016
25.00								60.0	84	2N3017
2.33								1.0	45	2N3226
25.00		.30			1.20	20	1.0	60.0	84	2N3418
25.00		.30			1.20	20	1.0	60.0	84	2N3419
25.00		.30			1.20	20	1.0	60.0	84	2N3420
25.00		.30			1.20	20	1.0	60.0	84	2N3421
25.00								60.0	84	2N3469
25.00								60.0	84	2N3506
25.00								60.0	84	2N3507
25.00								60.0	84	2N3619
25.00								60.0	84	2N3623
25.00								60.0	84	2N3627
25.00		5.00	5.00	5.00			1.0	60.0	84	2N3675
25.00		5.00	5.00	5.00			1.0	60.0	84	2N3676
3.33		.12	.06	.08		25	1.0	60.0	84	2N3744
3.33		.12	.06	.08		25	1.0	60.0	84	2N3745
3.33		.12	.06	.08		25	1.0	60.0	84	2N3746
3.33		.08	.06	.08		25	1.0	60.0	84	2N3747
3.33		.08	.06	.08		25	1.0	60.0	84	2N3748
3.33		.08	.06	.08		25	1.0	60.0	84	2N3749
3.33		.08	.06	.08		25	1.0	60.0	84	2N3750
3.33		.08	.06	.08		25	1.0	60.0	84	2N3751
3.33		.08	.06	.08		25	1.0	60.0	84	2N3752
1.25								4.0	42	2N3788
3.33		.20	.70	.20		30	1.0	60.0	84	2N3850
3.33		.20	.70	.20		30	1.0	60.0	84	2N3851
3.33		.20	.70	.20		30	1.0	60.0	84	2N3852
3.33		.20	.70	.20		30	1.0	60.0	84	2N3853
5.00								60.0	84	2N3878
5.00								60.0	84	2N3879
1.25	.80	.90		.80		125	1.0	4.0	42	2N3902
25.00		.04	.05	.03		20	1.5	60.0	84	2N3928
3.33		.04	.05	.03		20	1.5	60.0	84	2N3929
3.33		.30			1.50	20	1.0	60.0	84	2N3996
3.33		.30			2.00	20	1.0	60.0	84	2N3997
3.33		.30			1.50	20	1.0	60.0	84	2N3998
3.33		.30			1.50	20	1.0	60.0	84	2N3999
25.00		.20	2.00	.20		20	5.0	60.0	85	2N4150
5.00								60.0	84	2N4231
5.00								60.0	84	2N4232
5.00								60.0	84	2N4233