

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.						
5 AMP SILICON PNP Observe (-) Negative Polarity												
SDT3714	TO-66	80	80	6.0	20	60	2.0	2.0	.30	1.10	1.0	.100
SDT3715	TO-66	40	40	6.0	20	60	2.0	2.0	.30	1.10	1.0	.100
SDT3716	TO-66	40	40	6.0	12	36	3.0	1.0	.40	1.00	1.0	.100
SDT3717	TO-66	60	60	6.0	12	36	3.0	1.0	.40	1.00	1.0	.100
SDT3718	TO-66	80	80	6.0	12	36	3.0	1.0	.40	1.00	1.0	.100
SDT3719	TO-66	100	100	6.0	12	36	3.0	1.0	.40	1.00	1.0	.100
SDT3720	TO-66	40	40	6.0	40		3.0	1.0	.40	1.00	1.0	.100
SDT3721	TO-66	40	40	6.0	10	30	3.0	2.0	.50	1.30	1.0	.100
SDT3722	TO-66	60	60	6.0	10	30	3.0	2.0	.50	1.30	1.0	.100
SDT3723	TO-66	80	80	6.0	10	30	3.0	2.0	.50	1.30	1.0	.100
SDT3724	TO-66	100	100	6.0	10	30	3.0	2.0	.50	1.30	1.0	.100
SDT3725	TO-66	40	40	6.0	40		3.0	2.0	.50	1.30	2.0	.200
SDT3726	TO-66	40	40	5.0	25	100	2.0	2.5	1.00	1.40	2.5	.250
SDT3727	TO-66	60	60	5.0	25	100	2.0	2.5	1.00	1.40	2.5	.250
SDT3728	TO-66	80	80	5.0	25	100	2.0	2.5	1.00	1.40	2.5	.250
SDT3729	TO-66	40	40	6.0	10	30	3.0	3.0	.75	1.50	3.0	.300
SDT3730	TO-66	60	60	6.0	10	30	3.0	3.0	.75	1.50	3.0	.300
SDT3731	TO-66	80	80	6.0	10	30	3.0	3.0	.75	1.50	3.0	.300
SDT3732	TO-66	100	100	6.0	10	30	3.0	3.0	.75	1.50	3.0	.300
SDT3733	TO-66	40	40	6.0	40		3.0	3.0	.75	1.50	3.0	.300
SDT3750	TO-3	40	40	6.0	25	180	1.5	1.0	.50	1.20	1.0	.100
SDT3751	TO-3	60	60	6.0	25	180	1.5	1.0	.50	1.20	1.0	.100
SDT3752	TO-3	40	40	6.0	12	36	3.0	1.0	.40	1.00	1.0	.100
SDT3753	TO-3	60	60	6.0	12	36	3.0	1.0	.40	1.00	1.0	.100
SDT3754	TO-3	80	80	6.0	12	36	3.0	1.0	.40	1.00	1.0	.100
SDT3755	TO-3	100	100	6.0	12	36	3.0	1.0	.40	1.00	1.0	.100
SDT3756	TO-3	40	40	6.0	40		3.0	1.0	.40	1.00	1.0	.100
SDT3757	TO-3	40	40	6.0	10	30	3.0	2.0	.50	1.30	2.0	.200
SDT3758	TO-3	60	60	6.0	10	30	3.0	2.0	.50	1.30	2.0	.200
SDT3759	TO-3	80	80	6.0	10	30	3.0	2.0	.50	1.30	2.0	.200
SDT3760	TO-3	100	100	6.0	10	30	3.0	2.0	.50	1.30	2.0	.200
SDT3761	TO-3	40	40	6.0	40		3.0	2.0	.50	1.30	2.0	.200
SDT3762	TO-3	40	40	6.0	10	30	3.0	3.0	.75	1.50	3.0	.300
SDT3763	TO-3	60	60	6.0	10	30	3.0	3.0	.75	1.50	3.0	.300
SDT3764	TO-3	80	80	6.0	10	30	3.0	3.0	.75	1.50	3.0	.300
SDT3765	TO-3	100	100	6.0	10	30	3.0	3.0	.75	1.50	3.0	.300
SDT3766	TO-3	40	40	6.0	40		3.0	3.0	.75	1.50	3.0	.300
SDT3775	TO-5	40	40	6.0	20	60	2.0	2.0	.30	1.10	1.0	.100
SDT3776	TO-5	60	60	6.0	20	60	2.0	2.0	.30	1.10	1.0	.100
SDT3777	TO-5	80	80	6.0	20	60	2.0	2.0	.30	1.10	1.0	.100
SDT3778	TO-5	40	40	6.0	20	60	2.0	2.0	.30	1.10	1.0	.100
6 AMP SILICON NPN												
2N1487	TO-3	60	40	10.0	15	45	4.0	1.5	3.00		1.5	.300
2N1488	TO-3	100	55	10.0	15	45	4.0	1.5	3.00		1.5	.300
2N1489	TO-3	60	40	10.0	25	75	4.0	1.5	1.00		1.5	.100
2N1490	TO-3	100	55	10.0	25	75	4.0	1.5	1.00		1.5	.100
2N2305	TO-3	60	40	10.0	15	60	4.0	.8	1.20		.6	.160
7 AMP SILICON NPN												
2N5490	TO-220-AA	60	40	5.0	20	100	4.0	2.0	1.00		2.0	.200
2N5491	TO-220-AB	60	40	5.0	20	100	4.0	2.0	1.00		2.0	.200
2N5492	TO-220-AA	75	55	5.0	20	100	4.0	2.5	1.00		2.5	.250
2N5493	TO-220-AB	75	55	5.0	20	100	4.0	2.5	1.00		2.5	.250
2N5494	TO-220-AA	60	40	5.0	20	100	4.0	3.0	1.00		3.0	.300
2N5495	TO-220-AB	60	40	5.0	20	100	4.0	3.0	1.00		3.0	.300
2N5496	TO-220-AA	90	70	5.0	20	100	4.0	3.5	1.00		3.5	.350
2N5497	TO-220-AB	90	70	5.0	20	100	4.0	3.5	1.00		3.5	.350

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θ_{J-C} °C/W	TYPICAL SWITCHING TIMES					V_{CE} V	I_C A	f_T MHz	EL	TYPE NUMBER
	t_r μs	t_{on} μs	t_s μs	t_f μs	t_{off} μs					

5 AMP SILICON PNP Observe (—) Negative Polarity

6.00	.50		.75	.20		30	2.0	60.0	71	SDT3714
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3715
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3716
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3717
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3718
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3719
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3720
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3721
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3722
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3723
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3724
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3725
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3726
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3727
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3728
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3729
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3730
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3731
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3732
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3733
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3750
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3751
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3752
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3753
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3754
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3755
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3756
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3757
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3758
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3759
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3760
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3761
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3762
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3763
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3764
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3765
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3766
25.00	.50		.75	.20		30	2.0	60.0	71	SDT3775
25.00	.50		.75	.20		30	2.0	60.0	71	SDT3776
25.00	.50		.75	.20		30	2.0	60.0	71	SDT3777
25.00	.50		.75	.20		30	2.0	60.0	71	SDT3778

6 AMP SILICON NPN

2.33								1.0	45	2N1487
2.33								1.0	45	2N1488
2.33								1.0	45	2N1489
2.33								1.0	45	2N1490
2.33								1.0	45	2N2305

7 AMP SILICON NPN

3.50		5.00				15.00		8.0	43	2N5490
3.50		5.00				15.00		8.0	43	2N5491
3.50		5.00				15.00		8.0	43	2N5492
3.50		5.00				15.00		8.0	43	2N5493
3.50		5.00				15.00		8.0	43	2N5494
3.50		5.00				15.00		8.0	43	2N5495
3.50		5.00				15.00		8.0	43	2N5496
3.50		5.00				15.00		8.0	43	2N5497