

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												
2N5153	TO-5	100	80	5.5	70	200	5.0	2.5	1.50	2.20	5.0	.500
2N5286	TO-111-I	100	100	5.5	30	90	5.0	2.5	1.50	2.20	5.0	.500
2N5287	TO-111-I	100	100	5.5	70	200	5.0	2.5	1.50	2.20	5.0	.500
2N5333	TO-5	100	80	6.0	30	120	4.0	1.0	1.00	1.50	2.0	.200
2N5384	TO-111-I	100	80	6.0	20	80	4.0	2.0	.60	1.50	2.0	.200
2N5404	TO-5	80	80	6.0	20	60	5.0	2.0	.60	1.20	2.0	.200
2N5405	TO-5	100	100	6.0	20	60	5.0	2.0	.60	1.20	2.0	.200
2N5406	TO-5	80	80	6.0	40	120	5.0	2.0	.60	1.20	2.0	.200
2N5407	TO-5	100	100	6.0	40	120	5.0	2.0	.60	1.20	2.0	.200
2N5408	TO-111-I	80	80	6.0	20	60	5.0	2.0	.60	1.20	2.0	.200
2N5409	TO-111-I	100	100	6.0	20	60	5.0	2.0	.60	1.20	2.0	.200
2N5410	TO-111-I	80	80	6.0	40	120	5.0	2.0	.60	1.20	2.0	.200
2N5411	TO-111-I	100	100	6.0	40	120	5.0	2.0	.60	1.20	2.0	.200
2N5597	TO-66	80	60	5.5	70	200	5.0	1.0	.85	1.50	2.0	.200
2N5599	TO-66	100	80	5.5	30	90	5.0	1.0	.85	1.50	2.0	.200
2N5601	TO-66	100	80	5.5	70	200	5.0	1.0	.85	1.50	2.0	.200
2N5603	TO-66	120	100	5.5	30	90	5.0	1.0	.85	1.50	2.0	.200
2N5605	TO-66	80	60	5.5	70	200	5.0	2.5	.75	1.45	2.5	.250
2N5607	TO-66	100	80	5.5	30	90	5.0	2.5	.75	1.45	2.5	.250
2N5609	TO-66	100	80	5.5	70	200	5.0	2.5	.75	1.45	2.5	.250
2N5611	TO-66	120	100	5.5	30	90	5.0	2.5	.75	1.45	2.5	.250
2N5613	TO-3	80	60	5.5	70	200	5.0	2.5	1.50	2.20	5.0	.500
2N5615	TO-3	100	80	5.5	30	90	5.0	2.5	1.50	2.20	5.0	.500
2N5617	TO-3	100	80	5.5	70	200	5.0	2.5	1.50	2.20	5.0	.500
2N5619	TO-3	120	100	5.5	30	90	5.0	2.5	1.50	2.20	5.0	.500
2N5871	TO-3	60	60	5.0	20	100	4.0	2.5	1.50	2.20	5.0	.500
2N5872	TO-3	80	80	5.0	20	100	4.0	2.5	1.50	2.20	5.0	.500
2N6190	TO-39	80	80	6.0	30	120	2.0	2.0	.70	1.20	2.0	.200
2N6192	TO-39	100	100	6.0	30	120	2.0	2.0	.70	1.20	2.0	.200
SDT3301	TO-111-I	40	40	6.0	40	120	5.0	2.0	1.00	2.20	2.0	.200
SDT3302	TO-111-I	60	60	6.0	40	120	5.0	2.0	1.00	2.20	2.0	.200
SDT3303	TO-111-I	80	80	6.0	40	120	5.0	2.0	1.00	2.20	2.0	.200
SDT3304	TO-111-I	100	100	6.0	40	120	5.0	2.0	1.00	2.20	2.0	.200
SDT3305	TO-111-I	40	40	6.0	20	60	5.0	2.0	1.20	2.50	2.0	.200
SDT3306	TO-111-I	60	60	6.0	20	60	5.0	2.0	1.20	2.50	2.0	.200
SDT3307	TO-111-I	80	80	6.0	20	60	5.0	2.0	1.20	2.50	2.0	.200
SDT3308	TO-111-I	100	100	6.0	20	60	5.0	2.0	1.20	2.50	2.0	.200
SDT3309	TO-111-I	120	120	6.0	20	60	5.0	2.0	1.20	2.50	2.0	.200
SDT3321	TO-5	40	40	6.0	40	120	5.0	2.0	1.00	2.20	2.0	.200
SDT3322	TO-5	60	60	6.0	40	120	5.0	2.0	1.00	2.20	2.0	.200
SDT3323	TO-5	80	80	6.0	40	120	5.0	2.0	1.00	2.20	2.0	.200
SDT3324	TO-5	100	100	6.0	40	120	5.0	2.0	1.00	2.20	2.0	.200
SDT3325	TO-5	40	40	6.0	20	60	5.0	2.0	1.20	2.50	2.0	.200
SDT3326	TO-5	60	60	6.0	20	60	5.0	2.0	1.20	2.50	2.0	.200
SDT3327	TO-5	80	80	6.0	20	60	5.0	2.0	1.20	2.50	2.0	.200
SDT3328	TO-5	100	100	6.0	20	60	5.0	2.0	1.20	2.50	2.0	.200
SDT3329	TO-5	120	120	6.0	20	60	5.0	2.0	1.20	2.50	2.0	.200
SDT3701	TO-66	40	40	6.0	25	180	1.5	1.0	.50	1.20	1.0	.100
SDT3702	TO-66	60	60	6.0	25	180	1.5	1.0	.50	1.20	1.0	.100
SDT3703	TO-66	40	40	5.0	20	80	2.0	1.0	.40	1.20	1.0	.100
SDT3704	TO-66	60	60	5.0	20	80	2.0	1.0	.40	1.20	1.0	.100
SDT3705	TO-66	80	80	5.0	20	80	2.0	1.0	.40	1.20	1.0	.100
SDT3706	TO-66	30	30	4.0	20	80	2.0	1.0	1.00	1.40	3.0	.300
SDT3707	TO-66	45	45	4.0	20	80	2.0	1.0	1.00	1.40	3.0	.300
SDT3708	TO-66	60	60	4.0	20	80	2.0	1.0	1.00	1.40	3.0	.300
SDT3709	TO-66	30	30	4.0	50	180	2.0	1.0	1.00	1.40	3.0	.300
SDT3710	TO-66	45	45	4.0	50	180	2.0	1.0	1.00	1.40	3.0	.300
SDT3711	TO-66	60	60	4.0	50	180	2.0	1.0	1.00	1.40	3.0	.300
SDT3712	TO-66	40	40	6.0	20	60	2.0	2.0	.30	1.10	1.0	.100
SDT3713	TO-66	60	60	6.0	20	60	2.0	2.0	.30	1.10	1.0	.100

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θ_{JC} °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										
25.00								50.0	67	2N5153
3.00								50.0	67	2N5286
3.00								50.0	67	2N5287
25.00								60.0	71	2N5333
3.33								60.0	71	2N5384
25.00		.50	.75		.20	30	2.0	60.0	71	2N5404
25.00		.50	.75	.20		30	2.0	60.0	71	2N5405
25.00		.50	1.00	.30		30	2.0	60.0	71	2N5406
25.00		.50	1.00	.30		30	2.0	60.0	71	2N5407
3.33		.50	.75	.20		30	2.0	60.0	71	2N5408
3.33		.50	.75	.20		30	2.0	60.0	71	2N5409
3.33		.50	1.00	.30		30	2.0	60.0	71	2N5410
3.33		.50	1.00	.30		30	2.0	60.0	71	2N5411
6.00								60.0	71	2N5597
6.00								60.0	71	2N5599
6.00								60.0	71	2N5601
6.00								60.0	71	2N5603
6.00								60.0	71	2N5605
6.00								50.0	67	2N5607
6.00								50.0	67	2N5609
6.00								50.0	67	2N5611
3.00								50.0	67	2N5613
3.00								50.0	67	2N5615
3.00								50.0	67	2N5617
3.00								50.0	67	2N5619
3.33	.70		1.00	.80		30	2.5	50.0	67	2N5871
3.33	.70		1.00	.80		30	2.5	50.0	67	2N5872
25.00		.20	2.00	.20		40	2.0	50.0	67	2N6190
25.00		.20	2.00	.20		40	2.0	50.0	67	2N6192
3.33	.50		1.00	.30		30	2.0	60.0	71	SDT3301
3.33	.50		1.00	.30		30	2.0	60.0	71	SDT3302
3.33	.50		1.00	.30		30	2.0	60.0	71	SDT3303
3.33	.50		1.00	.30		30	2.0	60.0	71	SDT3304
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3305
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3306
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3307
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3308
3.33	.50		.75	.20		30	2.0	60.0	71	SDT3309
25.00	.50		1.00	.30		30	2.0	60.0	71	SDT3321
25.00	.50		1.00	.30		30	2.0	60.0	71	SDT3322
25.00	.50		1.00	.30		30	2.0	60.0	71	SDT3323
25.00	.50		1.00	.30		30	2.0	60.0	71	SDT3324
25.00	.50		.75	.20		30	2.0	60.0	71	SDT3325
25.00	.50		.75	.20		30	2.0	60.0	71	SDT3326
25.00	.50		.75	.20		30	2.0	60.0	71	SDT3327
25.00	.50		.75	.20		30	2.0	60.0	71	SDT3328
25.00	.50		.75	.20		30	2.0	60.0	71	SDT3329
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3701
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3702
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3703
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3704
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3705
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3706
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3707
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3708
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3709
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3710
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3711
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3712
6.00	.50		.75	.20		30	2.0	60.0	71	SDT3713