

SILICON POWER TRANSISTORS

TYPE NUMBER	CASE TYPE	V_{CBO} V	V_{CEO} V	V_{EBO} V	CURRENT GAIN				SATURATION VOLTAGES			
					h_{FE}		V_{CE}	I_C	$V_{CE(s)}$	$V_{BE(s)}$	I_C	I_B
					MIN.	MAX.	V	A	V	V	A	A
2 AMP SILICON NPN												
SDT5053	TO-46	225	200	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5054	TO-46	175	150	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5055	TO-46	200	175	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5056	TO-46	225	200	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5501	TO-5	60	40	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5502	TO-5	80	60	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5503	TO-5	100	80	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5504	TO-5	140	100	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5505	TO-5	180	120	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5506	TO-5	60	40	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5507	TO-5	80	60	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5508	TO-5	100	80	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5509	TO-5	140	100	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5510	TO-5	180	120	8.0	120		5.0	.5	.35	1.20	.5	.050
SDT5511	TO-5	60	40	8.0	120		5.0	.5	.35	1.20	.5	.050
SDT5512	TO-5	80	60	8.0	120		5.0	.5	.35	1.20	.5	.050
SDT5513	TO-5	100	80	8.0	120		5.0	.5	.35	1.20	.5	.050
SDT5514	TO-5	140	100	8.0	120		5.0	.5	.35	1.20	.5	.050
SDT5515	TO-5	180	120	8.0	120		5.0	.5	.35	1.20	.5	.050
SDT5551	TO-5	175	150	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5552	TO-5	200	175	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5553	TO-5	225	200	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5554	TO-5	175	150	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5555	TO-5	200	175	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5556	TO-5	225	200	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5901	TO-66	60	40	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5902	TO-66	80	60	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5903	TO-66	100	80	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5904	TO-66	140	100	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5905	TO-66	180	120	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5906	TO-66	60	40	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5907	TO-66	80	60	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5908	TO-66	100	80	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5909	TO-66	140	100	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5910	TO-66	180	120	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5911	TO-66	60	40	8.0	120		5.0	.5	.35	1.20	.5	.050
SDT5912	TO-66	80	60	8.0	120		5.0	.5	.35	1.20	.5	.050
SDT5913	TO-66	100	80	8.0	120		5.0	.5	.35	1.20	.5	.050
SDT5914	TO-66	140	100	8.0	120		5.0	.5	.35	1.20	.5	.050
SDT5915	TO-66	180	120	8.0	120		5.0	.5	.35	1.20	.5	.050
SDT5951	TO-66	175	150	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5952	TO-66	200	175	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5953	TO-66	225	200	8.0	50	150	5.0	.5	.35	1.20	.5	.050
SDT5954	TO-66	175	150	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5955	TO-66	200	175	8.0	30		5.0	.5	.35	1.20	.5	.050
SDT5956	TO-66	225	200	8.0	30		5.0	.5	.35	1.20	.5	.050
2 AMP SILICON PNP Observe (-) Negative Polarity												
2N3660	TO-5	40	30	5.0	25	100	10.0	.5	1.20	1.80	.5	.050
2N3661	TO-5	60	50	5.0	25	100	10.0	.5	1.20	1.80	.5	.050
2N3740	TO-66	60	60	7.0	30	100	1.0	.3	.60	1.00	1.0	.125
2N3741	TO-66	80	80	7.0	30	100	1.0	.3	.60	1.00	1.0	.125
2N3774	TO-5	40	40	8.0	20	60	2.0	.2	.20	1.20	.2	.020
2N3775	TO-5	60	60	8.0	20	60	2.0	.2	.20	1.20	.2	.020
2N3776	TO-5	80	80	8.0	20	60	2.0	.2	.20	1.20	.2	.020
2N3777	TO-5	100	100	8.0	20	60	2.0	.2	.20	1.20	.2	.020
2N3778	TO-5	40	40	8.0	10	40	2.0	.2	.20	1.20	.2	.040
2N3779	TO-5	60	60	8.0	10	40	2.0	.2	.20	1.20	.2	.040
2N3780	TO-5	80	80	8.0	20	60	2.0	.2	.20	1.20	.2	.040
2N3781	TO-5	100	100	8.0	10	40	2.0	.2	.20	1.20	.2	.040

SILICON POWER TRANSISTORS

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					
2 AMP SILICON NPN										
25.00		.40	2.00	.60		20	.5	80.0	91	SDT5053
25.00		.40	2.00	.60		20	.5	80.0	91	SDT5054
25.00		.40	2.00	.60		20	.5	80.0	91	SDT5055
25.00		.40	2.00	.60		20	.5	80.0	91	SDT5056
25.00		.25	2.00	.50		20	.5	80.0	91	SDT5501
25.00		.25	2.00	.50		20	.5	80.0	91	SDT5502
25.00		.25	2.00	.50		20	.5	80.0	91	SDT5503
25.00		.25	2.00	.50		20	.5	80.0	91	SDT5504
25.00		.25	2.00	.50		20	.5	80.0	91	SDT5505
25.00		.25	2.00	.50		20	.5	80.0	91	SDT5506
25.00		.25	2.00	.50		20	.5	80.0	91	SDT5507
25.00		.25	2.00	.50		20	.5	80.0	91	SDT5508
25.00		.25	2.00	.50		20	.5	80.0	91	SDT5509
25.00		.25	2.00	.50		20	.5	80.0	91	SDT5510
25.00		.25	2.00	.50		20	.5	80.0	91	SDT5511
25.00		.25	2.00	.50		20	.5	80.0	91	SDT5512
25.00		.25	2.00	.50		20	.5	80.0	91	SDT5513
25.00		.25	2.00	.50		20	.5	80.0	91	SDT5514
25.00		.25	2.00	.50		20	.5	80.0	91	SDT5515
25.00		.40	2.00	.60		20	.5	80.0	91	SDT5551
25.00		.40	2.00	.60		20	.5	80.0	91	SDT5552
25.00		.40	2.00	.60		20	.5	80.0	91	SDT5553
25.00		.40	2.00	.60		20	.5	80.0	91	SDT5554
25.00		.40	2.00	.60		20	.5	80.0	91	SDT5555
25.00		.40	2.00	.60		20	.5	80.0	91	SDT5556
6.00		.25	2.00	.50		20	.5	80.0	91	SDT5901
6.00		.25	2.00	.50		20	.5	80.0	91	SDT5902
6.00		.25	2.00	.50		20	.5	80.0	91	SDT5903
6.00		.25	2.00	.50		20	.5	80.0	91	SDT5904
6.00		.25	2.00	.50		20	.5	80.0	91	SDT5905
6.00		.25	2.00	.50		20	.5	80.0	91	SDT5906
6.00		.25	2.00	.50		20	.5	80.0	91	SDT5907
6.00		.25	2.00	.50		20	.5	80.0	91	SDT5908
6.00		.25	2.00	.50		20	.5	80.0	91	SDT5909
6.00		.25	2.00	.50		20	.5	80.0	91	SDT5910
6.00		.25	2.00	.50		20	.5	80.0	91	SDT5911
6.00		.25	2.00	.50		20	.5	80.0	91	SDT5912
6.00		.25	2.00	.50		20	.5	80.0	91	SDT5913
6.00		.25	2.00	.50		20	.5	80.0	91	SDT5914
6.00		.25	2.00	.50		20	.5	80.0	91	SDT5915
6.00		.40	2.00	.60		20	.5	80.0	91	SDT5951
6.00		.40	2.00	.60		20	.5	80.0	91	SDT5952
6.00		.40	2.00	.60		20	.5	80.0	91	SDT5953
6.00		.40	2.00	.60		20	.5	80.0	91	SDT5954
6.00		.40	2.00	.60		20	.5	80.0	91	SDT5955
6.00		.40	2.00	.60		20	.5	80.0	91	SDT5956
2 AMP SILICON PNP Observe (-) Negative Polarity										
25.00								70.0	69	2N3660
25.00								70.0	69	2N3661
25.00								70.0	69	2N3740
25.00								70.0	69	2N3741
25.00		3.00			3.00		.2	70.0	69	2N3774
25.00		3.00			3.00		.2	70.0	69	2N3775
25.00		3.00			3.00		.2	70.0	69	2N3776
25.00		3.00			3.00		.2	70.0	69	2N3777
25.00		3.00			3.00		.2	70.0	69	2N3778
25.00		3.00			3.00		.2	70.0	69	2N3779
25.00		3.00			3.00		.2	70.0	69	2N3780
25.00		3.00			3.00		.2	70.0	69	2N3781