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## SILICON POWER TRANSISTORS

TYPE NUMBER	CASE TYPE	V <sub>CBO</sub> V	V <sub>CEO</sub> V	V <sub>EBO</sub> V	CURRENT GAIN				SATURATION VOLTAGES				
					h <sub>FE</sub> MIN.	h <sub>FE</sub> MAX.	V <sub>CE</sub> V	I <sub>C</sub> A	V <sub>CE(s)</sub> V	V <sub>BE(s)</sub> V	I <sub>C</sub> A	I <sub>B</sub> A	
<b>2 AMP SILICON NPN</b>													
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	

# SILICON POWER TRANSISTORS

$\theta_{J-C}$ °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>2 AMP SILICON NPN</b>										
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