

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX	@ I <sub>C</sub> (A)	V <sub>CE</sub> (sat) MAX (V)	@ I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
2N2987	80	25/75	0.20	0.8	0.20	30.0	15.0*	TO-5	191
2N2988	100	25/75	0.20	0.8	0.20	30.0	15.0*	TO-5	191
2N2989	80	60/120	0.20	0.8	0.20	30.0	15.0*	TO-5	191
2N2990	100	60/120	0.20	0.8	0.20	30.0	15.0*	TO-5	191
2N2991	80	25/75	0.20	0.8	0.20	30.0	15.0*	MT-27	191
2N2992	100	25/75	0.20	0.8	0.20	30.0	15.0*	MT-27	191
2N2993	80	60/120	0.20	0.8	0.20	30.0	15.0*	MT-27	191
2N2994	100	60/120	0.20	0.8	0.20	30.0	15.0*	MT-27	191
2N3439	350	40/160	0.02	0.5	0.05	15.0	5.0	TO-39	100
2N3440	250	40/160	0.02	0.5	0.05	15.0	5.0	TO-39	100
2N3665	80	40/120	0.15	1.2	0.50	60.0	5.0	TO-5	191
2N3666	80	100/300	0.15	1.2	0.50	60.0	5.0	TO-5	191
2N3766	60	40/160	0.50	2.5	1.00	10.0	20.0	TO-66	191
2N3767	80	40/160	0.50	2.5	1.00	10.0	20.0	TO-66	191
2N4000	80	30/120	0.50	0.5	1.00	40.0	15.0*	TO-5	191
2N4001	100	40/120	0.50	0.5	1.00	40.0	15.0*	TO-5	191
2N4237	40	30/150	0.25	0.6	1.00	1.0	5.0	TO-5	191
2N4238	60	30/150	0.25	0.6	1.00	1.0	5.0	TO-5	191
2N4239	80	30/150	0.25	0.6	1.00	1.0	5.0	TO-5	191
2N4910	40	20/100	0.50	0.6	1.00	3.0	25.0	TO-66	191
2N4911	60	20/100	0.50	0.6	1.00	3.0	25.0	TO-66	191
2N4912	80	20/100	0.50	0.6	1.00	3.0	25.0	TO-66	191
2N5660	200	40/120	0.50	0.4	1.00	20.0	20.0*	TO-66	140
2N5661	300	25/75	0.50	0.4	1.00	20.0	20.0*	TO-66	140
2N5662	200	40/120	0.50	0.4	1.00	20.0	15.0*	TO-5	140
2N5663	300	25/75	0.50	0.4	1.00	20.0	15.0*	TO-5	140
2N5681	100	40/150	0.25	0.6	0.25	30.0	10.0	TO-5	191
2N5682	120	40/150	0.25	0.6	0.25	30.0	10.0	TO-5	191

**1 AMP PNP**

2N3774	40	20/60	0.20	0.2	0.20	1.0	5.0*	TO-5	269
2N3775	60	20/60	0.20	0.2	0.20	1.0	5.0*	TO-5	269
2N3776	80	20/60	0.20	0.2	0.20	1.0	5.0*	TO-5	269
2N3777	100	20/60	0.20	0.2	0.20	1.0	5.0*	TO-5	269
2N3778	40	10/40	0.20	0.2	0.20	1.0	5.0*	TO-5	269
2N3779	60	10/40	0.20	0.2	0.20	1.0	5.0*	TO-5	269
2N3780	80	10/40	0.20	0.2	0.20	1.0	5.0*	TO-5	269
2N3781	100	10/40	0.20	0.2	0.20	1.0	5.0*	TO-5	269
2N4234	40	30/150	0.25	0.6	1.00	3.0	6.0	TO-5	269
2N4235	60	30/150	0.25	0.6	1.00	3.0	6.0	TO-5	269
2N4236	80	30/150	0.25	0.6	1.00	3.0	6.0*	TO-5	269
2N4898	40	20/100	0.50	0.6	1.00	4.0	25.0	TO-66	269
2N4899	60	20/100	0.50	0.6	1.00	4.0	25.0	TO-66	269
2N4900	80	20/100	0.50	0.6	1.00	4.0	25.0	TO-66	269
2N5415	200	30/150	0.05	2.0	0.05	15.0	10.0	TO-5	200
2N5416	300	30/120	0.05	2.0	0.05	15.0	5.0*	TO-5	200
2N3660	30	25/100	0.50	1.2	0.50	25.0	5.0*	TO-5	269
2N3661	50	25/100	0.50	1.2	0.50	25.0	10.0	TO-5	269

\*T<sub>C</sub> = 100°C

**B**

PLANAR POWER TRANSISTORS

Devices, Inc.

2 AMP NPN

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX	@ I <sub>C</sub> (A)	V <sub>CE</sub> (sat) MAX (V)	@ I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
2N2150	80	20/60	1.0	1.25	1.0	10.0	30.0*	TO-111	184
2N2151	80	40/120	1.0	1.25	1.0	10.0	30.0*	TO-111	184
2N3788	325	20/180	0.5	1.00	1.5	0.05	100.0	TO-3	142
2N3917	40	30/120	1.0	1.20	1.0	50.0	20.0	TO-3	191
2N3918	40	100/300	1.0	1.20	1.0	50.0	20.0	TO-3	191
2N4300	80	30/120	1.0	0.50	0.2	30.0	15.0*	TO-5	191
2N4862	120	50/150	0.5	0.20	0.5	50.0	4.0*	TO-46	191
2N4863	120	50/150	0.5	0.20	0.5	50.0	4.0*	TO-5	191
2N4864	120	50/150	0.5	0.20	0.5	50.0	16.0*	TO-66	191
2N4998	80	30/90	1.0	0.46	1.0	50.0	35.0	TO-59	184
2N5000	80	70/200	1.0	0.46	1.0	50.0	35.0	TO-59	184
2N5148	80	30/90	1.0	0.85	2.0	50.0	7.0	TO-39	184
2N5150	80	70/200	1.0	0.85	2.0	60.0	7.0	TO-39	191
2N5152	80	30/90	2.5	1.50	5.0	40.0**	11.0	TO-39	185
2N5154	80	70/200	2.5	1.50	5.0	50.0**	11.0	TO-39	185
2N5598	60	70/200	1.0	0.85	2.0	60.0	20.0	TO-66	184
2N5600	80	30/90	1.0	0.85	2.0	50.0	20.0	TO-66	184
2N5602	80	70/200	1.0	0.85	2.0	60.0	20.0	TO-66	184
2N5604	100	30/90	1.0	0.85	2.0	50.0	20.0	TO-66	191
SDT401	300	20/100	0.5	0.80	0.5	4.0	100.0	TO-3	142
SDT413	400	20/80	0.5	0.80	0.5	6.0	100.0	TO-3	142
SDT5001	40	50/150	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5002	60	50/150	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5003	80	50/150	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5004	100	50/150	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5005	120	50/150	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5006	40	30	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5007	60	30	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5008	80	30	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5009	100	30	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5010	120	30	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5011	040	120	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5012	060	120	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5013	080	120	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5014	100	120	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5015	120	120	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5051	150	50/150	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5052	175	50/150	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5053	200	50/150	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5054	150	30	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5055	175	30	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5056	200	30	0.5	0.35	0.5	50.0	7.0	TO-46	191
SDT5501	40	50/150	0.5	0.35	0.5	50.0	7.0	TO-5	191
SDT5502	60	50/150	0.5	0.35	0.5	50.0	7.0	TO-5	191
SDT5503	80	50/150	0.5	0.35	0.5	50.0	7.0	TO-5	191
SDT5504	100	50/150	0.5	0.35	0.5	50.0	7.0	TO-5	191
SDT5505	120	50/150	0.5	0.35	0.5	50.0	7.0	TO-5	191
SDT5506	40	30	0.5	0.35	0.5	50.0	7.0	TO-5	191
SDT5507	60	30	0.5	0.35	0.5	50.0	7.0	TO-5	191
SDT5508	80	30	0.5	0.35	0.5	50.0	7.0	TO-5	191

\*T<sub>C</sub> = 100°C \*\*Exception to Jedec

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX @ I <sub>C</sub> (A)	V <sub>CE(sat)</sub> MAX (V) @ I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE		
SDT5509	100	30	0.50	0.35	0.5	50	7.0	TO-5	191
SDT5510	120	30	0.50	0.35	0.5	50	7.0	TO-5	191
SDT5511	40	120	0.50	0.35	0.5	50	7.0	TO-5	191
SDT5512	60	120	0.50	0.35	0.5	50	7.0	TO-5	191
SDT5513	80	120	0.50	0.35	0.5	50	7.0	TO-5	191
SDT5514	100	120	0.50	0.35	0.5	50	7.0	TO-5	191
SDT5515	120	120	0.50	0.35	0.5	50	7.0	TO-5	191
SDT5551	150	50/150	0.50	0.35	0.5	50	7.0	TO-5	191
SDT5552	175	50/150	0.50	0.35	0.5	50	7.0	TO-5	191
SDT5553	200	50/150	0.50	0.35	0.5	50	7.0	TO-5	191
SDT5554	150	30	0.50	0.35	0.5	50	7.0	TO-5	191
SDT5555	175	30	0.50	0.35	0.5	50	7.0	TO-5	191
SDT5556	200	30	0.50	0.35	0.5	50	7.0	TO-5	191
SDT5901	40	50/150	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5902	60	50/150	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5903	80	50/150	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5904	100	50/150	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5905	120	50/150	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5906	40	30	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5907	60	30	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5908	80	30	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5909	100	30	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5910	120	30	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5911	40	120	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5912	60	120	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5913	80	120	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5914	100	120	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5915	120	120	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5951	150	50/150	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5952	175	50/150	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5953	200	50/150	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5954	150	30	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5955	175	30	0.50	0.35	0.5	50	35.0	TO-66	191
SDT5956	200	30	0.50	0.35	0.5	50	35.0	TO-66	191

**2 AMP PNP**

2N3740	60	30/100	0.25	0.60	1.0	4.0	25.0	TO-66	269
2N3741	80	30/100	0.25	0.60	1.0	4.0	25.0	TO-66	269
2N4387	40	25/100	0.50	3.00	1.0	25.0	20.0	TO-66	269
2N4388	60	25/100	0.50	3.00	1.0	25.0	20.0	TO-66	269
2N4999	80	30/90	1.00	0.46	1.0	30.0**	35.0	TO-59	271
2N5001	80	70/200	1.00	0.46	1.0	35.0**	35.0	TO-59	271
2N5147	80	30/90	1.00	0.85	2.0	30.0**	7.0	TO-39	271
2N5149	80	70/200	1.00	0.85	2.0	35.0**	7.0	TO-39	271
2N5333	80	30/120	1.00	1.00	2.0	30.0	15.0*	TO-5	271
2N5597	60	70/200	1.00	0.85	2.0	35.0**	20.0	TO-66	271
SDT3501	40	30	0.50	0.40	0.5	50.0	7.0	TO-5	269
SDT3502	60	30	0.50	0.40	0.5	50.0	7.0	TO-5	269

 \*T<sub>C</sub> = 100°C \*\*Exception to Jedec

PLANAR POWER TRANSISTORS

Devices, Inc.

2 AMP PNP (continued)

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX @ I <sub>C</sub> (A)	V <sub>CE</sub> (sat) MAX (V) @ I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE		
SDT3503	80	30	0.50	0.40	0.5	50	7.0	TO-5	269
SDT3504	100	30	0.50	0.40	0.5	50	7.0	TO-5	269
SDT3505	40	50/150	0.50	0.40	0.5	50	7.0	TO-5	269
SDT3506	60	50/150	0.50	0.40	0.5	50	7.0	TO-5	269
SDT3507	80	50/150	0.50	0.40	0.5	50	7.0	TO-5	269
SDT3508	100	50/150	0.50	0.40	0.5	50	7.0	TO-5	269
SDT3509	40	30	0.50	0.40	0.5	50	29.0	TO-66	269
SDT3510	60	30	0.50	0.40	0.5	50	29.0	TO-66	269
SDT3511	80	30	0.50	0.40	0.5	50	29.0	TO-66	269
SDT3512	100	30	0.50	0.40	0.5	50	29.0	TO-66	269
SDT3513	40	50/150	0.50	0.40	0.5	50	29.0	TO-66	269
SDT3514	60	50/150	0.50	0.40	0.5	50	29.0	TO-66	269
SDT3515	80	50/150	0.50	0.40	0.5	50	29.0	TO-66	269
SDT3516	100	50/150	0.50	0.40	0.5	50	29.0	TO-66	269
SDT3550	60	30/100	0.25	0.60	1.0	10	7.0	TO-5	269
SDT3551	80	30/100	0.25	0.60	1.0	10	7.0	TO-5	269
SDT3552	40	20/100	0.50	0.60	1.0	10	7.0	TO-5	269
SDT3553	60	20/100	0.50	0.60	1.0	10	7.0	TO-5	269
SDT3554	80	20/100	0.50	0.60	1.0	10	7.0	TO-5	269
SDT3575	40	30/150	0.25	0.60	1.0	10	17.0	TO-66	269
SDT3576	60	30/150	0.25	0.60	1.0	10	17.0	TO-66	269
SDT3577	80	30/150	0.25	0.60	1.0	10	17.0	TO-66	269
SDT3578	30	25/100	0.50	0.50	0.5	40	17.0	TO-66	269
SDT3579	50	25/100	0.50	0.50	0.5	40	17.0	TO-66	269
SDT69501	40	30	0.50	0.35	0.5	25	7.0	TO-39	269
SDT69502	60	30	0.50	0.35	0.5	25	7.0	TO-39	269
SDT69503	80	30	0.50	0.35	0.5	25	7.0	TO-39	269
SDT69504	100	30	0.50	0.35	0.5	25	7.0	TO-39	269
SDT69505	120	30	0.50	0.35	0.5	25	7.0	TO-39	269
SDT69509	40	50/150	0.50	0.35	0.5	25	7.0	TO-39	269
SDT69510	60	50/150	0.50	0.35	0.5	25	7.0	TO-39	269
SDT69511	80	50/150	0.50	0.35	0.5	25	7.0	TO-39	269
SDT69512	100	50/150	0.50	0.35	0.5	25	7.0	TO-39	269
SDT69513	120	50/150	0.50	0.35	0.5	25	7.0	TO-39	269
SDT69601	40	30	0.50	0.35	0.5	25	35.0	TO-66	269
SDT69602	60	30	0.50	0.35	0.5	25	35.0	TO-66	269
SDT69603	80	30	0.50	0.35	0.5	25	35.0	TO-66	269
SDT69604	100	30	0.50	0.35	0.5	25	35.0	TO-66	269
SDT69605	120	30	0.50	0.35	0.5	25	35.0	TO-66	269
SDT69609	40	50/150	0.50	0.35	0.5	25	35.0	TO-66	269
SDT69610	60	50/150	0.50	0.35	0.5	25	35.0	TO-66	269
SDT69611	80	50/150	0.50	0.35	0.5	25	35.0	TO-66	269
SDT69612	100	50/150	0.50	0.35	0.5	25	35.0	TO-66	269
SDT69613	120	50/150	0.50	0.35	0.5	25	35.0	TO-66	269

3 AMP NPN

2N2983	80	20/60	1.00	0.60	1.0	18	15.0*	TO-5	184
2N2984	120	20/60	1.00	0.60	1.0	18	15.0*	TO-5	184
2N2985	80	40/120	1.00	0.60	1.0	18	15.0*	TO-5	184
2N2986	120	40/120	1.00	0.60	1.0	18	15.0*	TO-5	184

\*T<sub>C</sub> = 100°C

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX	@ I <sub>C</sub> (A)	V <sub>CE(sat)</sub> MAX (V)	@ I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
2N3418	60	20/60	1.0	0.5	2.0	40.0	15.0*	TO-5	185
2N3419	80	20/60	1.0	0.5	2.0	40.0	15.0*	TO-5	185
2N3420	60	40/120	1.0	0.5	2.0	40.0	15.0*	TO-5	185
2N3421	80	40/120	1.0	0.5	2.0	40.0	15.0*	TO-5	185
2N3506	40	40/120	1.5	1.0	1.5	60.0	5.0	TO-5	191
2N3507	50	30/150	1.5	1.0	1.5	60.0	5.0	TO-5	191
2N3675	55	12/60	1.0	0.8	1.0	1.0	8.7	TO-5	191
2N3676	90	12/60	1.0	0.8	1.0	1.0	8.7	TO-5	191
2N3878	50	50/200	0.5	2.0	4.0	40.0	35.0	TO-66	184
2N3902	400	30/90	1.0	0.8	1.0	3.0	67.0*	TO-3	142
2N5157	500	30/90	1.0	0.8	1.0	3.0	167.0	TO-3	142
SDT402	325	10	1.0	2.0	3.0	3.0	100.0	TO-3	142
SDT403	400	15	1.0	2.0	3.5	2.2	100.0	TO-3	142
SDT409	400	15	1.0	1.2	1.0	2.2	100.0	TO-3	142
SDT410	200	30/90	1.0	0.8	1.0	3.0	125.0	TO-3	142
SDT411	300	30/90	1.0	0.8	1.0	3.0	125.0	TO-3	142
SDT423	400	30/90	1.0	0.8	1.0	3.0	100.0	TO-3	142
SDT424	500	30/90	1.0	0.8	1.0	3.0	100.0	TO-3	142
SDT425	500	30/90	1.0	0.8	1.0	3.0	100.0	TO-3	142
2N4231	40	25/100	1.5	0.7	1.5	4.0	35.0	TO-66	184
2N4232	60	25/100	1.5	0.7	1.5	4.0	35.0	TO-66	184
2N4233	80	25/100	1.5	0.7	1.5	4.0	35.0	TO-66	184
2N5074	200	30/110	0.5	2.0	3.0	40.0	70.0	TO-59	140
2N5075	200	90/250	0.5	2.0	3.0	40.0	70.0	TO-59	140
2N5076	250	30/110	0.5	2.0	3.0	40.0	70.0	TO-59	140
2N5077	250	90/250	0.5	2.0	3.0	40.0	70.0	TO-59	140
2N5466	400	15/60	3.0	0.5	3.0	2.5	80.0*	TO-3	142
2N5467	400	15/60	3.0	0.5	3.0	2.5	80.0*	TO-3	142
2N5468	400	15/60	3.0	0.5	3.0	3.0	40.0*	TO-66	142
2N5469	400	15/60	3.0	0.5	3.0	3.0	40.0*	TO-66	142
2N5664	200	40/120	1.0	0.4	3.0	20.0	30.0*	TO-66	140
2N5665	300	25/75	1.0	0.4	3.0	20.0	30.0*	TO-66	140
2N5666	200	40/120	1.0	0.4	3.0	20.0	15.0*	TO-5	140
2N5667	300	25/75	1.0	0.4	3.0	20.0	15.0*	TO-5	140
SDT708	900			2.0	1.0	1.5	116.0	TO-3	118
SDT709	900			2.0	1.0	1.5	116.0	TO-3	118
SDT723	800	10	0.5	0.8	1.0	1.5	60.0	TO-3	118

**3 AMP PNP**

2N3021	30	20/60	1.0	1.50	3.0	35.0**	25.0	TO-3	271
2N3022	45	20/60	1.0	1.50	3.0	35.0**	25.0	TO-3	271
2N3023	60	20/60	1.0	1.50	3.0	35.0**	25.0	TO-3	271
2N3024	30	50/180	1.0	1.00	3.0	35.0**	25.0	TO-3	271
2N3025	45	50/180	1.0	1.00	3.0	35.0**	25.0	TO-3	271
2N3026	60	50/180	1.0	1.00	3.0	35.0**	25.0	TO-3	271
2N3719	40	25/180	1.0	0.75	1.0	35.0**	6.0	TO-5	271
2N3720	60	25/180	1.0	0.75	1.0	35.0**	6.0	TO-5	271

**4 AMP PNP**

2N3740A	60	10	1.0	0.6	1.0	4.0	25.0	TO-66	269
2N3741A	80	10	1.0	0.6	1.0	4.0	25.0	TO-66	269

\*T<sub>C</sub> = 100°C \*\*Exception to JEDEC

PLANAR POWER TRANSISTORS

Devices, Inc.

5 AMP NPN

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX	@ I <sub>C</sub> (A)	V <sub>CE(sat)</sub> MAX (V)	@ I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
2N2657	60	40/120	1.0	0.50	1.0	20.0	4.0*	TO-5	184
2N2658	80	40/120	1.0	0.50	1.0	20.0	4.0*	TO-5	184
2N2877	60	20/60	1.0	0.25	1.0	30.0	30.0*	TO-111	184
2N2878	60	40/120	1.0	0.25	1.0	50.0	30.0*	TO-111	184
2N2879	80	20/60	1.0	0.25	1.0	30.0	30.0*	TO-111	184
2N2880	80	40/120	1.0	0.25	1.0	50.0	30.0*	TO-111	184
2N2890	80	30/90	1.0	0.50	1.0	30.0	5.0	TO-5	191
2N2891	80	50/150	1.0	0.75	2.0	30.0	5.0	TO-5	191
2N3744	40	20/60	1.0	0.25	1.0	30.0	30.0*	TO-111/I	184
2N3745	60	20/60	1.0	0.25	1.0	30.0	30.0*	TO-111/I	184
2N3746	80	20/60	1.0	0.25	1.0	30.0	30.0*	TO-111/I	184
2N3747	40	40/120	1.0	0.25	1.0	40.0	30.0*	TO-111/I	184
2N3748	60	40/120	1.0	0.25	1.0	40.0	30.0*	TO-111/I	184
2N3749	80	40/120	1.0	0.25	1.0	40.0	30.0*	TO-111/I	184
2N3750	40	100/300	1.0	0.25	1.0	50.0	30.0*	TO-111/I	184
2N3751	60	100/300	1.0	0.25	1.0	50.0	30.0*	TO-111/I	184
2N3752	80	100/300	1.0	0.25	1.0	50.0	30.0*	TO-111/I	184
2N3996	80	40/120	1.0	0.25	1.0	40.0	30.0*	TO-111/I	184
2N3997	80	80/240	1.0	0.25	1.0	40.0	30.0*	TO-111/I	184
2N3998	80	40/120	1.0	0.25	1.0	40.0	30.0*	TO-111	184
2N3999	80	80/240	1.0	0.25	1.0	40.0	30.0*	TO-111	184
2N4111	60	40/120	2.0	0.60	2.0	50.0	37.5	TO-3	184
2N4112	60	100/300	2.0	0.60	2.0	60.0	37.5	TO-3	184
2N4113	80	40/120	2.0	0.60	2.0	50.0	37.5	TO-3	184
2N4150	70	40/120	5.0	0.60	5.0	15.0	5.0*	TO-5	185
2N4305	80	50/150	1.0	1.00	5.0	40.0	11.0	TO-5	184
2N4307	60	50/150	1.0	1.00	5.0	40.0	11.0	TO-5	184
2N4309	80	50/150	1.0	1.40	5.0	40.0	11.0	TO-5	184
2N4311	60	40/120	1.0	1.40	5.0	40.0	11.0	TO-5	184
2N4395	40	50/170	2.0	0.80	4.5	4.0	62.5	TO-3	177
2N4396	60	40/170	2.0	0.80	4.5	4.0	62.5	TO-3	177
2N4895	60	40/120	2.0	1.00	5.0	50.0	4.0*	TO-39	184
3N4896	60	100/300	2.0	1.00	5.0	60.0**	4.0*	TO-39	184
2N4897	80	40/120	2.0	1.00	5.0	50.0	4.0*	TO-39	184
2N4913	40	25/100	2.5	0.75	2.5	4.0	88.0	TO-3	116
2N4914	60	25/100	2.5	0.75	2.5	4.0	88.0	TO-3	116
2N4915	80	25/100	2.5	0.75	2.5	4.0	88.0	TO-3	116
2N5002	80	30/90	2.5	0.75	2.5	50.0**	58.0	TO-59	184
2N5004	80	70/200	2.5	0.75	2.5	60.0**	58.0	TO-59	184
2N5237	120	40/120	5.0	0.60	5.0	25.0	5.0*	TO-5	185
2N5238	170	40/120	5.0	0.60	5.0	25.0	5.0*	TO-5	185
2N5284	100	30/90	2.5	0.75	2.5	40.0**	58.0	TO-59	185
2N5285	100	70/120	2.5	0.75	2.5	50.0**	58.0	TO-59	185
2N5336	80	30/120	2.0	1.20	5.0	30.0	6.0	TO-39	184
2N5337	80	60/240	2.0	1.20	5.0	30.0	6.0	TO-39	184
2N5338	100	30/120	2.0	1.20	5.0	30.0	6.0	TO-39	184
2N5339	100	60/240	2.0	1.20	5.0	30.0	6.0	TO-39	184
2N5541	130	30/90	5.0	0.60	5.0	20.0	5.0*	TO-5	185
2N5606	60	70/200	2.5	0.75	2.5	60.0**	25.0	TO-66	184
2N5608	80	30/90	2.5	0.75	2.5	50.0**	25.0	TO-66	184

\*T<sub>C</sub> = 100°C \*\*Exception to JEDEC

DEVICE TYPE	V <sub>CEO</sub> (V)	hFE MIN/MAX	@ I <sub>C</sub> (A)	V <sub>CE(sat)</sub> MAX (V)	@ I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
2N5610	80	70/200	2.5	0.75	2.5	60.0**	25	TO-66	184
2N5612	100	30/90	2.5	0.75	2.5	50.0**	25	TO-66	184
2N5614	60	70/200	2.5	0.75	2.5	60.0**	58	TO-3	185
2N5616	80	30/90	2.5	0.75	2.5	50.0**	58	TO-3	184
2N5618	80	70/120	2.5	0.75	2.5	60.0**	58	TO-3	184
2N5620	100	30/90	2.5	0.75	2.5	5.0**	58	TO-3	184
2N5729	80	30/300	2.0	1.50	5.0	30.0	11	TO-5	184
BU207	600	2.25	4.5	5.00	4.5	4.0(TYP)	56	TO-3	118
BU208	700	2.25	4.5	5.00	4.5	4.0(TYP)	56	TO-3	118
SDT430	300	15/45	2.5	0.90	2.5	4.0(TYP)	125	TO-3	142
SDT431	325	15/45	2.5	0.70	2.5	4.0(TYP)	125	TO-3	142
SDT802	750	2.5	3.5	—	—	1.5	60	TO-3	118
SDT804	800	2.5	3.5	—	—	1.5	60	TO-3	118
SDT812	900	2.2	3.5	—	—	1.5	60	TO-3	118
SDT814	900	2.2	3.5	—	—	1.5	60	TO-3	118
SDT1611	40	20/60	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1612	60	20/60	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1613	80	20/60	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1614	100	20/60	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1615	125	20/60	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1616	150	20/60	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1617	175	20/60	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1618	200	20/60	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1621	40	40/120	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1622	60	40/120	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1623	80	40/120	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1624	100	40/120	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1625	125	40/120	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1626	150	40/120	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1627	175	40/120	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1628	200	40/120	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1631	40	80	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1632	60	80	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1633	80	80	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1634	100	80	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1635	125	80	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1636	150	80	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1637	175	80	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1638	200	80	1.0	0.50	1.0	2.5	105	TO-3	116
SDT1641	40	20/60	1.0	0.50	1.0	2.5	52	TO-66	116
SDT1642	60	20/60	1.0	0.50	1.0	2.5	52	TO-66	116
SDT1643	80	20/60	1.0	0.50	1.0	2.5	52	TO-66	116
SDT1644	100	20/60	1.0	0.50	1.0	2.5	52	TO-66	116
SDT1645	125	20/60	1.0	0.50	1.0	2.5	52	TO-66	116
SDT1646	150	20/60	1.0	0.50	1.0	2.5	52	TO-66	116
SDT1647	175	20/60	1.0	0.50	1.0	2.5	52	TO-66	116
SDT1648	200	20/60	1.0	0.50	1.0	2.5	52	TO-66	116
SDT1651	40	40/120	1.0	0.50	1.0	2.5	52	TO-66	116
SDT1652	60	40/120	1.0	0.50	1.0	2.5	52	TO-66	116
SDT1653	80	40/120	1.0	0.50	1.0	2.5	52	TO-66	116

\*\*Exception to JEDEC

**B**

PLANAR POWER TRANSISTORS

5 AMP NPN [continued]

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX @	I <sub>C</sub> (A)	V <sub>CE</sub> (sat) MAX (V) @	I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
SDT1654	100	40/120	1.0	0.50	1.0	2.5	52.0	TO-66	116
SDT1655	125	40/120	1.0	0.50	1.0	2.5	52.0	TO-66	116
SDT1656	150	40/120	1.0	0.50	1.0	2.5	52.0	TO-66	116
SDT1657	175	40/120	1.0	0.50	1.0	2.5	52.0	TO-66	116
SDT1658	200	40/120	1.0	0.50	1.0	2.5	52.0	TO-66	116
SDT1661	40	80	1.0	0.50	1.0	2.5	52.0	TO-66	116
SDT1662	60	80	1.0	0.50	1.0	2.5	52.0	TO-66	116
SDT1663	80	80	1.0	0.50	1.0	2.5	52.0	TO-66	116
SDT1664	100	80	1.0	0.50	1.0	2.5	52.0	TO-66	116
SDT1665	125	80	1.0	0.50	1.0	2.5	52.0	TO-66	116
SDT1666	150	80	1.0	0.50	1.0	2.5	52.0	TO-66	116
SDT1667	175	80	1.0	0.50	1.0	2.5	52.0	TO-66	116
SDT1668	200	80	1.0	0.50	1.0	2.5	52.0	TO-66	116
SDT3401	40	40/120	2.0	0.75	2.0	40.0	52.0	TO-111/I	184
SDT3402	60	40/120	2.0	0.75	2.0	40.0	52.0	TO-111/I	184
SDT3403	80	40/120	2.0	0.75	2.0	40.0	52.0	TO-111/I	184
SDT3404	100	40/120	2.0	0.75	2.0	40.0	52.0	TO-111/I	184
SDT3405	40	20/60	2.0	0.75	2.0	40.0	52.0	TO-111/I	184
SDT3406	60	20/60	2.0	0.75	2.0	40.0	52.0	TO-111/I	184
SDT3407	80	20/60	2.0	0.75	2.0	40.0	52.0	TO-111/I	184
SDT3408	100	20/60	2.0	0.75	2.0	40.0	53.0	TO-111/I	184
SDT3409	120	20/60	2.0	0.75	2.0	40.0	53.0	TO-111/I	184
SDT3421	40	40/120	2.0	0.75	2.0	40.0	9.0	TO-5	184
SDT3422	60	40/120	2.0	0.75	2.0	40.0	9.0	TO-5	184
SDT3423	80	40/120	2.0	0.75	2.0	40.0	9.0	TO-5	184
SDT3424	100	40/120	2.0	0.75	2.0	40.0	9.0	TO-5	184
SDT3425	40	20/60	2.0	0.75	2.0	40.0	9.0	TO-5	184
SDT3426	60	20/60	2.0	0.75	2.0	40.0	9.0	TO-5	184
SDT3427	80	20/60	2.0	0.75	2.0	40.0	9.0	TO-5	184
SDT3428	100	20/60	2.0	0.75	2.0	40.0	9.0	TO-5	184
SDT3429	120	20/60	2.0	0.75	2.0	40.0	9.0	TO-5	184
SDT4451	40	20/60	1.0	0.50	1.0	40.0	7.0	TO-5	184
SDT4452	80	20/60	1.0	0.50	1.0	40.0	7.0	TO-5	184
SDT4453	40	40/120	1.0	0.50	1.0	40.0	7.0	TO-5	184
SDT4454	80	40/120	1.0	0.50	1.0	40.0	7.0	TO-5	184
SDT4455	40	100	1.0	0.50	1.0	40.0	7.0	TO-5	184
SDT4456	80	100	1.0	0.50	1.0	40.0	7.0	TO-5	184
SDT4483	40	20/60	1.0	0.50	1.0	40.0	7.0	TO-5	184
SDT6308	40	20/60	1.0	0.50	1.0	40.0	52.0	TO-111	184
SDT6309	60	20/60	1.0	0.50	1.0	40.0	52.0	TO-111	184
SDT6310	80	20/60	1.0	0.50	1.0	40.0	52.0	TO-111	184
SDT6311	40	40/120	1.0	0.50	1.0	30.0	52.0	TO-111	184
SDT6312	60	40/120	1.0	0.50	1.0	30.0	52.0	TO-111	184
SDT6313	80	40/120	1.0	0.50	1.0	30.0	52.0	TO-111	184
SDT6314	40	100	1.0	0.50	1.0	30.0	52.0	TO-111	184
SDT6315	60	100	1.0	0.50	1.0	30.0	52.0	TO-111	184
SDT6316	80	100	1.0	0.50	1.0	30.0	52.0	TO-111	184
SDT6408	40	20/60	1.0	0.50	1.0	30.0	52.0	TO-111/I	184
SDT6409	60	20/60	1.0	0.50	1.0	30.0	52.0	TO-111/I	184
SDT6410	80	20/60	1.0	0.50	1.0	30.0	52.0	TO-111/I	184



PLANAR POWER TRANSISTORS

5 AMP NPN

[continued]

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX	@ I <sub>C</sub> (A)	V <sub>CE</sub> (sat) MAX (V)	@ I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
SDT6411	40	40/120	1.0	0.50	1.0	30.0	52.0	TO-111/I	184
SDT6412	60	40/120	1.0	0.50	1.0	30.0	52.0	TO-111/I	184
SDT6413	80	40/120	1.0	0.50	1.0	30.0	52.0	TO-111/I	184
SDT6414	40	100	1.0	0.50	1.0	30.0	52.0	TO-111/I	184
SDT6415	60	100	1.0	0.50	1.0	30.0	52.0	TO-111/I	184
SDT6416	80	100	1.0	0.50	1.0	30.0	52.0	TO-111/I	184
SDT6417	60	20/60	1.0	0.25	1.0	30.0	52.0	TO-111/I	184
SDT6418	60	40/120	1.0	0.25	1.0	30.0	52.0	TO-111/I	184
SDT6419	80	20/60	1.0	0.25	1.0	30.0	52.0	TO-111/I	184
SDT6420	80	40/120	1.0	0.25	1.0	30.0	52.0	TO-111/I	184
SDT6901	125	20/60	1.0	0.50	1.0	20.0	35.0	TO-66	184
SDT6902	150	20/60	1.0	0.50	1.0	20.0	35.0	TO-66	184
SDT6903	175	20/60	1.0	0.50	1.0	20.0	35.0	TO-66	184
SDT6904	200	20/60	1.0	0.50	1.0	20.0	35.0	TO-66	184
SDT6905	125	40/120	1.0	0.50	1.0	20.0	35.0	TO-66	184
SDT6906	150	40/120	1.0	0.50	1.0	20.0	35.0	TO-66	184
SDT6907	175	40/120	1.0	0.50	1.0	20.0	35.0	TO-66	184
SDT6908	200	40/120	1.0	0.50	1.0	20.0	35.0	TO-66	184
SDT7411	40	20/60	5.0	0.60	5.0	15.0	9.0	TO-5	185
SDT7412	60	20/60	5.0	0.60	5.0	15.0	9.0	TO-5	185
SDT7413	80	20/60	5.0	0.60	5.0	15.0	9.0	TO-5	185
SDT7414	40	40/120	5.0	0.60	5.0	15.0	9.0	TO-5	185
SDT7415	60	40/120	5.0	0.60	5.0	15.0	9.0	TO-5	185
SDT7416	80	40/120	5.0	0.60	5.0	15.0	9.0	TO-5	185
SDT7417	40	100	5.0	0.60	5.0	15.0	9.0	TO-5	185
SDT7418	60	100	5.0	0.60	5.0	15.0	9.0	TO-5	185
SDT7419	80	100	5.0	0.60	5.0	15.0	9.0	TO-5	185
SDT9001	30	20	1.0	0.70	1.0	10.0	7.0	TO-5	184
SDT9002	50	20	1.0	0.70	1.0	10.0	7.0	TO-5	184
SDT9003	70	20	1.0	0.70	1.0	10.0	7.0	TO-5	184
SDT9004	30	30/90	1.0	0.70	1.0	10.0	7.0	TO-5	184
SDT9005	50	30/90	1.0	0.70	1.0	40.0	7.0	TO-5	184
SDT9006	70	30/90	1.0	0.70	1.0	40.0	7.0	TO-5	184
SDT9007	30	50/150	1.0	0.70	1.0	40.0	7.0	TO-5	184
SDT9008	50	50/150	1.0	0.70	1.0	40.0	7.0	TO-5	184
SDT9009	70	50/150	1.0	0.70	1.0	40.0	7.0	TO-5	184
SDT9010	30	100	1.0	0.70	1.0	40.0	7.0	TO-5	184
SDT9011	50	100	1.0	0.70	1.0	40.0	7.0	TO-5	184
SDT9012	70	100	1.0	0.70	1.0	40.0	7.0	TO-5	184
SDT18201	550	2.25	4.5	5.00	4.5	3.0	56.0	TO-61/I	118
SDT18202	600	2.25	4.5	5.00	4.5	3.0	56.0	TO-61/I	118
SDT18203	650	2.25	4.5	5.00	4.5	3.0	56.0	TO-61/I	118
SDT18204	700	2.25	4.5	5.00	4.5	3.0	56.0	TO-61/I	118
SDT18205	750	2.25	4.5	5.00	4.5	3.0	56.0	TO-61/I	118
SDT18301	550	2.25	4.5	5.00	4.5	3.0	56.0	TO-228AB/I	118
SDT18302	600	2.25	4.5	5.00	4.5	3.0	56.0	TO-228AB/I	118
SDT18303	650	2.25	4.5	5.00	4.5	3.0	56.0	TO-228AB/I	118
SDT18304	700	2.25	4.5	5.00	4.5	3.0	56.0	TO-228AB/I	118
SDT18305	750	2.25	4.5	5.00	4.5	3.0	56.0	TO-228AB/I	118
SDT40301	150	20/80	2.0	0.30	2.0	25.0	175.0	TO-3	140

**B**

PLANAR POWER TRANSISTORS

5 AMP NPN (continued)

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX @	I <sub>C</sub> (A)	V <sub>CE</sub> (sat) MAX (V) @	I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
SDT40302	200	20/80	2.0	0.30	2.0	25.0	175.0	TO-3	140
SDT40303	250	20/80	2.0	0.30	2.0	25.0	175.0	TO-3	140
SDT40304	300	20/80	2.0	0.30	2.0	25.0	175.0	TO-3	140
SDT40305	350	20/80	2.0	0.30	2.0	25.0	175.0	TO-3	140
SDT41301	700	15/60	0.5	0.25	0.5	2.0	140.0	TO-3	141
SDT41302	750	15/60	0.5	0.25	0.5	2.0	140.0	TO-3	141
SDT41303	800	15/60	0.5	0.25	0.5	2.0	140.0	TO-3	141
SDT41304	850	15/60	0.5	0.25	0.5	2.0	140.0	TO-3	141
SDT41305	900	15/60	0.5	0.25	0.5	2.0	140.0	TO-3	141
SDT41306	950	15/60	0.5	0.25	0.5	2.0	140.0	TO-3	141
SDT84924	100	40/120	1.0	0.25	1.0	30.0	40.0	TO-228AA/I	184
SDT85501	40	40/120	5.0	0.60	5.0	40.0	9.0	TO-39	185
SDT85502	60	40/120	5.0	0.60	5.0	40.0	9.0	TO-39	185
SDT85503	80	40/120	5.0	0.60	5.0	40.0	9.0	TO-39	185
SDT85504	120	40/120	5.0	0.60	5.0	40.0	9.0	TO-39	185
SDT85505	150	40/120	5.0	0.60	5.0	40.0	9.0	TO-39	185
SDT85506	40	20	5.0	0.60	5.0	40.0	9.0	TO-39	185
SDT85507	60	20	5.0	0.60	5.0	40.0	9.0	TO-39	185
SDT85508	80	20	5.0	0.60	5.0	40.0	9.0	TO-39	185
SDT85509	120	20	5.0	0.60	5.0	40.0	9.0	TO-39	185
SDT85510	150	20	5.0	0.60	5.0	40.0	9.0	TO-39	185

5 AMP PNP

2N5003	80	30/90	2.5	0.75	2.5	30**	58.0	TO-59	267
2N5005	80	70/200	2.5	0.75	2.5	35**	58.0	TO-59	267
2N5151	80	30/90	2.5	0.75	2.5	30**	11.0	TO-39	267
2N5153	80	70/200	2.5	0.75	2.5	35**	11.0	TO-39	267
2N5286	100	30/90	2.5	0.75	2.5	30**	58.0	TO-59	267
2N5287	100	70/120	2.5	0.75	2.5	35**	58.0	TO-59	267
2N5384	80	20/80	2.0	0.60	2.0	30	30.0*	TO-111/I	271
2N5385	80	20/80	2.0	0.60	2.0	30	30.0*	TO-111/I	271
2N5404	80	20/60	2.0	0.60	2.0	30**	5.0*	TO-5	271
2N5405	100	20/60	2.0	0.60	2.0	30**	5.0*	TO-5	271
2N5406	80	40/120	2.0	0.60	2.0	30**	5.0*	TO-5	271
2N5407	100	40/120	2.0	0.60	2.0	30**	5.0*	TO-5	271
2N5408	80	20/60	2.0	0.60	2.0	30**	30.0*	TO-111/I	271
2N5409	100	20/60	2.0	0.60	2.0	30**	30.0*	TO-111/I	271
2N5410	80	40/120	2.0	0.60	2.0	30**	30.0*	TO-111/I	271
2N5411	100	40/120	2.0	0.60	2.0	30**	30.0*	TO-111/I	271
2N5605	60	70/200	2.5	0.75	2.5	40**	25.0	TO-66	271
2N5607	80	30/90	2.5	0.75	2.5	30**	25.0	TO-66	271
2N5609	80	70/200	2.5	0.75	2.5	40**	25.0	TO-66	271
2N5611	100	30/90	2.5	0.75	2.5	30**	25.0	TO-66	267
2N5613	60	70/200	2.5	1.50	5.0	35**	58.0	TO-3	267
2N5615	80	30/90	2.5	1.50	5.0	30**	58.0	TO-3	267
2N5617	80	70/200	2.5	1.50	5.0	35**	58.0	TO-3	267
2N5619	100	30/90	2.5	1.50	5.0	30**	58.0	TO-3	267
2N6190	80	30/120	2.0	0.70	2.0	30	10.0	TO-39	267

\*TC = 100°C \*\*Exception to JEDEC

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX @ I <sub>C</sub> (A)	V <sub>CE(sat)</sub> MAX (V) @ I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
2N6192	100	30/120	2.0 0.70	30	10.0	TO-39	267
SDT3301	40	40/120	2.0 0.75	30	52.0	TO-111/I	271
SDT3302	60	40/120	2.0 0.75	30	52.0	TO-111/I	271
SDT3303	80	40/120	2.0 0.75	30	52.0	TO-111/I	271
SDT3304	100	40/120	2.0 0.75	30	52.0	TO-111/I	271
SDT3305	40	20/60	2.0 0.75	30	52.0	TO-111/I	271
SDT3306	60	20/60	2.0 0.75	30	52.0	TO-111/I	271
SDT3307	80	20/60	2.0 0.75	30	52.0	TO-111/I	271
SDT3308	100	20/60	2.0 0.75	30	52.0	TO-111/I	271
SDT3309	120	20/60	2.0 0.75	30	52.0	TO-111/I	271
SDT3321	40	40/120	2.0 0.75	30	9.0	TO-5	271
SDT3322	60	40/120	2.0 0.75	30	9.0	TO-5	271
SDT3323	80	40/120	2.0 0.75	30	9.0	TO-5	271
SDT3324	100	40/120	2.0 0.75	30	9.0	TO-5	271
SDT3325	40	20/60	2.0 0.75	30	9.0	TO-5	271
SDT3326	60	20/60	2.0 0.75	30	9.0	TO-5	271
SDT3327	80	20/60	2.0 0.75	30	9.0	TO-5	271
SDT3328	100	20/60	2.0 0.75	30	9.0	TO-5	271
SDT3329	120	20/60	2.0 0.75	30	9.0	TO-5	271
SDT3701	40	25/180	1.0 0.50	30	28.0	TO-66	271
SDT3702	60	25/180	1.0 0.50	30	28.0	TO-66	271
SDT3703	40	20/80	1.0 0.40	30	28.0	TO-66	271
SDT3704	60	20/80	1.0 0.40	30	28.0	TO-66	271
SDT3705	80	20/80	1.0 0.40	30	28.0	TO-66	271
SDT3706	30	20/60	1.0 1.00	30	28.0	TO-66	271
SDT3707	45	20/60	1.0 1.00	30	28.0	TO-66	271
SDT3708	60	20/60	1.0 1.00	30	28.0	TO-66	271
SDT3709	30	50/180	1.0 1.00	30	28.0	TO-66	271
SDT3710	45	50/180	1.0 1.00	30	28.0	TO-66	271
SDT3711	60	50/180	1.0 1.00	30	28.0	TO-66	271
SDT3712	40	20/60	1.0 0.30	30	28.0	TO-66	271
SDT3713	60	20/60	1.0 0.30	30	28.0	TO-66	271
SDT3714	80	20/60	1.0 0.30	30	28.0	TO-66	271
SDT3715	40	40	1.0 0.30	30	28.0	TO-66	271
SDT3716	40	12/36	1.0 0.40	30	28.0	TO-66	271
SDT3717	60	12/36	1.0 0.40	30	28.0	TO-66	271
SDT3718	80	12/36	1.0 0.40	30	28.0	TO-66	271
SDT3719	100	12/36	1.0 0.40	30	28.0	TO-66	271
SDT3720	40	40	1.0 0.40	30	28.0	TO-66	271
SDT3721	40	10/30	2.0 0.50	30	28.0	TO-66	271
SDT3722	60	10/30	2.0 0.50	30	28.0	TO-66	271
SDT3723	80	10/30	2.0 0.50	30	28.0	TO-66	271
SDT3724	100	10/30	2.0 0.50	30	28.0	TO-66	271
SDT3725	40	40	2.0 0.50	30	28.0	TO-66	271
SDT3726	40	25/100	2.5 1.00	30	28.0	TO-66	271
SDT3727	60	25/100	2.5 1.00	30	28.0	TO-66	271
SDT3728	80	25/100	2.5 1.00	30	28.0	TO-66	271
SDT3729	40	10/30	3.0 0.75	30	28.0	TO-66	271
SDT3730	60	10/30	3.0 0.75	30	28.0	TO-66	271
SDT3731	80	10/30	3.0 0.75	30	28.0	TO-66	271

**B**

PLANAR POWER TRANSISTORS

Devices, Inc.

5 AMP PNP (continued)

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX	@ I <sub>C</sub> (A)	V <sub>CE</sub> (sat) MAX (V)	@ I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
SDT3732	100	10/30	3.0	0.75	3.0	30.0	28.0	TO-66	271
SDT3733	40	40	3.0	0.75	3.0	30.0	28.0	TO-66	271
SDT3750	40	25/180	1.0	0.50	1.0	30.0	52.0	TO-3	271
SDT3751	60	25/180	1.0	0.50	1.0	30.0	52.0	TO-3	271
SDT3752	40	12/36	1.0	0.40	1.0	10.0	52.0	TO-3	271
SDT3753	60	12/36	1.0	0.40	1.0	10.0	52.0	TO-3	271
SDT3754	80	12/36	1.0	0.40	1.0	10.0	52.0	TO-3	271
SDT3755	100	12/36	1.0	0.40	1.0	10.0	52.0	TO-3	271
SDT3756	40	40	1.0	0.40	1.0	10.0	52.0	TO-3	271
SDT3757	40	10/30	2.0	0.50	2.0	10.0	52.0	TO-3	271
SDT3758	60	10/30	2.0	0.50	2.0	10.0	52.0	TO-3	271
SDT3759	80	10/30	2.0	0.50	2.0	10.0	52.0	TO-3	271
SDT3760	100	10/30	2.0	0.50	2.0	10.0	52.0	TO-3	271
SDT3761	40	40	2.0	0.50	2.0	10.0	52.0	TO-3	271
SDT3762	40	10/30	3.0	0.75	3.0	10.0	52.0	TO-3	271
SDT3763	60	10/30	3.0	0.75	3.0	10.0	52.0	TO-3	271
SDT3764	80	10/30	3.0	0.75	3.0	10.0	52.0	TO-3	271
SDT3765	100	10/30	3.0	0.75	3.0	10.0	52.0	TO-3	271
SDT3766	40	40	3.0	0.75	3.0	10.0	52.0	TO-3	271
SDT3775	40	20/60	1.0	0.30	1.0	10.0	7.0	TO-5	271
SDT3776	60	20/60	1.0	0.30	1.0	10.0	7.0	TO-5	271
SDT3777	80	20/60	1.0	0.30	1.0	10.0	7.0	TO-5	271
SDT3778	40	40	1.0	0.30	1.0	10.0	7.0	TO-5	271

7 AMP NPN

2N3879	75	20/80	4.0	1.2	4.0	40.0	35.0	TO-66	184
2N3487	60	20/60	3.0	1.2	3.0	10.0	115.0	TO-61	185
2N3488	80	20/60	3.0	1.2	3.0	10.0	115.0	TO-61	185
2N3489	100	15/45	3.0	1.2	3.0	10.0	115.0	TO-61	185
2N3490	60	40/120	5.0	1.5	5.0	10.0	115.0	TO-61	185
2N3491	80	40/120	5.0	1.5	5.0	10.0	115.0	TO-61	185
2N3492	100	30/90	5.0	1.5	5.0	10.0	115.0	TO-61	185
2N5387	200	25/100	2.0	2.0	5.0	15.0	100.0*	TO-61	140
2N5388	250	25/100	2.0	2.0	5.0	15.0	100.0*	TO-61	140
2N5389	300	25/100	2.0	2.0	5.0	15.0	100.0*	TO-61	140
2N5427	80	30/120	2.0	0.7	2.0	30.0	40.0	TO-66	185
2N5428	80	60/240	2.0	0.7	2.0	30.0	40.0	TO-66	185
2N5429	100	30/120	2.0	0.7	2.0	30.0	40.0	TO-66	185
2N5430	100	60/240	2.0	0.7	2.0	30.0	40.0	TO-66	184
2N6077	275	12/70	1.2	0.5	1.2	1.0	25.7*	TO-66	116
2N6078	250	12/70	1.2	0.5	1.2	1.0	25.7*	TO-66	116
2N6079	350	12/50	1.2	0.5	1.2	1.0	25.7*	TO-66	116

10 AMP NPN

2N2811	60	20/60	5.0	0.50	5.0	15.0	40.0*	TO-61	185
2N2812	60	40/120	5.0	0.50	5.0	15.0	40.0*	TO-61	185
2N2813	80	20/60	5.0	0.50	5.0	15.0	40.0*	TO-61	185
2N2814	80	40/120	5.0	0.50	5.0	15.0	40.0*	TO-61	185

\*T<sub>C</sub> = 100°C

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX @ I <sub>C</sub> (A)	V <sub>CE(sat)</sub> MAX (V) @ I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE		
2N4070	100	40/120	5.0	0.60	5.0	20.0	65.0 *	TO-3	185
2N4071	150	40/120	5.0	0.60	5.0	20.0	65.0 *	TO-3	185
2N4301	80	30/120	5.0	0.40	5.0	40.0	50.0*	TO-61	185
2N5006	80	30/90	5.0	0.90	5.0	30.0	116.0	TO-61/I	185
2N5008	80	70/200	5.0	0.90	5.0	40.0	116.0	TO-61/I	185
2N5218	200	15/120	5.0	0.60	5.0	40.0	50.0*	TO-61	140
2N5288	100	30/90	5.0	0.90	5.0	30.0	116.0	TO-61/I	185
2N5289	100	70/200	5.0	0.90	5.0	40.0	116.0	TO-61/I	185
2N5313	80	30/90	10.0	1.50	10.0	30.0	50.0*	TO-61	185
2N5315	100	30/90	10.0	1.50	10.0	30.0	50.0*	TO-61	185
2N5317	80	30/90	5.0	0.60	5.0	30.0	50.0*	TO-61/I	185
2N5319	100	30/90	5.0	0.60	5.0	30.0	50.0*	TO-61/I	185
2N5327	80	100/300	1.0	0.40	3.0	50.0	5.0*	TO-5	185
2N5540	300	20/60	5.0	2.50	10.0	20.0	50.0*	TO-61	112
2N5542	130	30/90	5.0	2.50	10.0	20.0	50.0*	TO-61	185
2N5622	60	70/200	5.0	0.90	5.0	40.0	116.0	TO-3	144
2N5624	80	30/90	5.0	0.90	5.0	30.0	116.0	TO-3	144
2N5626	80	70/200	5.0	0.90	5.0	40.0	116.0	TO-3	144
2N5628	100	30/90	5.0	0.90	5.0	30.0	116.0	TO-3	144
2N5730	80	30/300	2.0	1.20	5.0	30.0	52.5	TO-59	185
2N5854	80	30/90	5.0	0.90	5.0	20.0	66.0*	TO-61/I	186
2N6128	80	30/120	5.0	0.90	5.0	40.0	67.0*	TO-61/I	185
2N6216	150	20/80	5.0	0.50	5.0	20.0	71.0*	TO-3	177
2N6217	80	20/80	5.0	0.50	5.0	20.0	71.0*	TO-3	177
2N6249	200	10/50	10.0	1.50	10.0	2.5	100.0*	TO-3	105
2N6250	275	8/50	10.0	1.50	10.0	2.5	100.0*	TO-3	105
2N6251	350	6/50	10.0	1.50	10.0	2.5	100.0*	TO-3	114
2N6560	450	10/40	5.0	0.75	5.0	10.0	220.0	TO-3	105
2N6561	300	10/50	10.0	0.75	10.0	15.0	220.0	TO-3	112
2N6562	450	10/40	5.0	0.75	5.0	10.0	175.0	TO-61/I	105
2N6563	300	10/50	10.0	0.75	10.0	15.0	175.0	TO-61/I	112
SDT3205	40	20/80	5.0	0.75	5.0	30.0	87.0	TO-61/I	185
SDT3206	60	20/80	5.0	0.75	5.0	30.0	87.0	TO-61/I	185
SDT3207	80	20/80	5.0	0.75	5.0	30.0	87.0	TO-61/I	185
SDT3208	100	20/80	5.0	0.75	5.0	30.0	87.0	TO-61/I	185
SDT3209	120	20/80	5.0	0.75	5.0	30.0	87.0	TO-61/I	185
SDT3225	40	20/80	5.0	0.75	5.0	30.0	52.0	TO-111/I	185
SDT3226	60	20/80	5.0	0.75	5.0	30.0	52.0	TO-111/I	185
SDT3227	80	20/80	5.0	0.75	5.0	30.0	52.0	TO-111/I	185
SDT3228	100	20/80	5.0	0.75	5.0	30.0	52.0	TO-111/I	185
SDT3229	120	20/80	5.0	0.75	5.0	30.0	52.0	TO-111/I	185
SDT7A01	40	40/120	5.0	0.50	5.0	30.0	70.0	TO-66	185
SDT7A02	60	40/120	5.0	0.50	5.0	30.0	70.0	TO-66	185
SDT7A03	80	40/120	5.0	0.50	5.0	30.0	70.0	TO-66	185
SDT7A04	120	40/120	5.0	0.50	5.0	30.0	70.0	TO-66	185
SDT7A05	150	40/120	5.0	0.50	5.0	30.0	70.0	TO-66	185
SDT7A07	40	20/60	5.0	0.50	5.0	30.0	70.0	TO-66	185
SDT7A08	60	20/60	5.0	0.50	5.0	30.0	70.0	TO-66	185
SDT7A09	80	20/60	5.0	0.50	5.0	30.0	70.0	TO-66	185
SDT7A10	120	20/60	5.0	0.50	5.0	30.0	70.0	TO-66	185

\*T<sub>C</sub> = 100°C

**B**

PLANAR POWER TRANSISTORS

10 AMP NPN [continued]

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX @	I <sub>C</sub> (A)	V <sub>CE(sat)</sub> MAX (V) @	I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
SDT7A11	150	20/60	5.0	0.5	5.0	30.0	70	TO-66	185
SDT7A12	200	20/60	5.0	0.5	5.0	30.0	70	TO-66	185
SDT7B01	60	40/120	5.0	0.6	5.0	30.0	52	TO-111/I	185
SDT7B02	80	40/120	5.0	0.6	5.0	30.0	52	TO-111/I	185
SDT7B03	100	40/120	5.0	0.6	5.0	30.0	52	TO-111/I	185
SDT7B04	120	40/120	5.0	0.6	5.0	30.0	52	TO-111/I	185
SDT7B05	60	20	5.0	0.6	5.0	30.0	52	TO-111/I	185
SDT7B06	80	20	5.0	0.6	5.0	30.0	52	TO-111/I	185
SDT7B07	100	20	5.0	0.6	5.0	30.0	52	TO-111/I	185
SDT7B08	120	20	5.0	0.6	5.0	30.0	52	TO-111/I	185
SDT7011	40	20/60	5.0	0.5	5.0	15.0	87	TO-61/I	185
SDT7012	60	20/60	5.0	0.5	5.0	15.0	87	TO-61/I	185
SDT7013	80	20/60	5.0	0.5	5.0	15.0	87	TO-61	185
SDT7014	40	40/120	5.0	0.5	5.0	15.0	87	TO-61	185
SDT7015	60	40/120	5.0	0.5	5.0	15.0	87	TO-61	185
SDT7016	80	40/120	5.0	0.5	5.0	15.0	87	TO-61	185
SDT7017	40	100	5.0	0.5	5.0	15.0	87	TO-61	185
SDT7018	60	100	5.0	0.5	5.0	15.0	87	TO-61	185
SDT7019	80	100	5.0	0.5	5.0	15.0	87	TO-61	185
SDT7150	120	20/60	5.0	0.5	5.0	30.0	87	TO-61	185
SDT7151	150	20/60	5.0	0.6	5.0	30.0	87	TO-61	185
SDT7152	200	20/60	5.0	0.6	5.0	30.0	87	TO-61	185
SDT7154	120	40/120	5.0	0.5	5.0	30.0	87	TO-61	185
SDT7155	150	40/120	5.0	0.6	5.0	30.0	87	TO-61	185
SDT7471	60	40/120	5.0	0.6	5.0	15.0	17	TO-5	185
SDT7472	80	40/120	5.0	0.6	5.0	15.0	17	TO-5	185
SDT7473	100	40/120	5.0	0.6	5.0	15.0	17	TO-5	185
SDT7474	120	40/120	5.0	0.6	5.0	15.0	17	TO-5	185
SDT7475	60	20	5.0	0.6	5.0	15.0	17	TO-5	185
SDT7476	80	20	5.0	0.6	5.0	15.0	17	TO-5	185
SDT7477	100	20	5.0	0.6	5.0	15.0	17	TO-5	185
SDT7478	120	20	5.0	0.6	5.0	15.0	17	TO-5	185
SDT7601	40	40/120	5.0	0.5	5.0	40.0	117	TO-3	185
SDT7602	60	40/120	5.0	0.5	5.0	40.0	117	TO-3	185
SDT7603	80	40/120	5.0	0.5	5.0	40.0	117	TO-3	185
SDT7604	120	40/120	5.0	0.5	5.0	40.0	117	TO-3	185
SDT7605	150	40/120	5.0	0.6	5.0	40.0	117	TO-3	185
SDT7607	40	20/60	5.0	0.5	5.0	30.0	117	TO-3	185
SDT7608	60	20/60	5.0	0.5	5.0	30.0	117	TO-3	185
SDT7609	80	20/60	5.0	0.5	5.0	30.0	117	TO-3	185
SDT7610	120	20/60	5.0	0.5	5.0	30.0	117	TO-3	185
SDT7611	150	20/60	5.0	0.6	5.0	30.0	117	TO-3	185
SDT7612	200	20/60	5.0	0.6	5.0	30.0	117	TO-3	185
SDT7731	40	20/80	5.0	0.5	5.0	5.0	125	TO-3	177
SDT7732	60	20/80	5.0	0.5	5.0	5.0	125	TO-3	177
SDT7733	80	20/80	5.0	0.5	5.0	5.0	125	TO-3	177
SDT7734	100	20/80	5.0	0.5	5.0	5.0	125	TO-3	177
SDT7735	125	20/80	5.0	0.5	5.0	5.0	125	TO-3	177
SDT7736	150	20/80	5.0	0.5	5.0	5.0	125	TO-3	177
SDT7741	40	20/80	5.0	0.5	5.0	5.0	62	TO-66	177

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX	@ I <sub>C</sub> (A)	V <sub>CE</sub> (sat) MAX (V)	@ I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
SDT7742	60	20/80	5.0	0.5	5.0	5.0	62.0	TO-66	177
SDT7743	80	20/80	5.0	0.5	5.0	5.0	62.0	TO-66	177
SDT7744	100	20/80	5.0	0.5	5.0	5.0	62.0	TO-66	177
SDT7745	125	20/80	5.0	0.5	5.0	5.0	62.0	TO-66	177
SDT7746	150	20/80	5.0	0.5	5.0	5.0	62.0	TO-66	177
SDT7761	40	20/80	5.0	0.5	5.0	5.0	71.4	TO-61	177
SDT7762	60	20/80	5.0	0.5	5.0	5.0	71.4	TO-61	177
SDT7763	80	20/80	5.0	0.5	5.0	5.0	71.4	TO-61	177
SDT7764	100	20/80	5.0	0.5	5.0	5.0	71.4	TO-61	177
SDT7765	125	20/80	5.0	0.5	5.0	5.0	71.4	TO-61	177
SDT7766	150	20/80	5.0	0.5	5.0	5.0	71.4	TO-61	177
SDT12201	200	10/50	10.0	1.0	10.0	20.0	175.0	TO-61/I	112
SDT12202	250	10/50	10.0	1.0	10.0	20.0	175.0	TO-61/I	112
SDT12203	300	10/50	10.0	1.0	10.0	20.0	175.0	TO-61/I	112
SDT12301	200	10/50	10.0	1.0	10.0	20.0	220.0	TO-3	112
SDT12302	250	10/50	10.0	1.0	10.0	20.0	220.0	TO-3	112
SDT12303	300	10/50	10.0	1.0	10.0	20.0	220.0	TO-3	112
SDT13201	300	10/50	5.0	1.0	5.0	12.0	175.0	TO-61/I	105
SDT13202	350	10/50	5.0	1.0	5.0	12.0	175.0	TO-61/I	105
SDT13203	400	10/50	5.0	1.0	5.0	12.0	175.0	TO-61/I	105
SDT13204	450	10/50	5.0	1.0	5.0	12.0	175.0	TO-61/I	105
SDT13205	500	10/50	5.0	1.0	5.0	12.0	175.0	TO-61/I	105
SDT13301	300	10/50	5.0	1.0	5.0	12.0	220.0	TO-3	105
SDT13302	350	10/50	5.0	1.0	5.0	12.0	220.0	TO-3	105
SDT13303	400	10/50	5.0	1.0	5.0	12.0	220.0	TO-3	105
SDT13304	450	10/50	5.0	1.0	5.0	12.0	220.0	TO-3	105
SDT13305	500	10/50	5.0	1.0	5.0	12.0	220.0	TO-3	105
SDT14304	300	15/75	5.0	0.3	5.0	7.0	220.0	TO-3	114
SDT14305	400	15/75	5.0	0.3	5.0	7.0	220.0	TO-3	114
SDT55474	550	10/40	10.0	1.0	10.0	1.5	620.0	TO-63	155
SDT55476	600	10/40	10.0	1.0	10.0	1.5	620.0	TO-63	155
SDT85301	40	40/120	5.0	0.6	5.0	30.0	117.0	TO-3	185
SDT85302	60	40/120	5.0	0.6	5.0	30.0	117.0	TO-3	185
SDT85303	80	40/120	5.0	0.6	5.0	30.0	117.0	TO-3	185
SDT85304	120	40/120	5.0	0.6	5.0	30.0	117.0	TO-3	185
SDT85305	150	40/120	5.0	0.6	5.0	30.0	117.0	TO-3	185
SDT85306	40	20	5.0	0.6	5.0	30.0	117.0	TO-3	185
SDT85307	60	20	5.0	0.6	5.0	30.0	117.0	TO-3	185
SDT85308	80	20	5.0	0.6	5.0	30.0	117.0	TO-3	185
SDT85309	120	20	5.0	0.6	5.0	30.0	117.0	TO-3	185
SDT85310	150	20	5.0	0.6	5.0	30.0	117.0	TO-3	185
SDT85601	40	40/120	5.0	0.6	5.0	30.0	70.0	TO-66	185
SDT85602	60	40/120	5.0	0.6	5.0	30.0	70.0	TO-66	185
SDT85603	80	40/120	5.0	0.6	5.0	30.0	70.0	TO-66	185
SDT85604	120	40/120	5.0	0.6	5.0	30.0	70.0	TO-66	185
SDT85605	150	40/120	5.0	0.6	5.0	30.0	70.0	TO-66	185
SDT85606	40	20	5.0	0.6	5.0	30.0	70.0	TO-66	185
SDT85607	60	20	5.0	0.6	5.0	30.0	70.0	TO-66	185
SDT85608	80	20	5.0	0.6	5.0	30.0	70.0	TO-66	185
SDT85609	120	20	5.0	0.6	5.0	30.0	70.0	TO-66	185
SDT85610	150	20	5.0	0.6	5.0	30.0	70.0	TO-66	185

**B**

PLANAR POWER TRANSISTORS

10 AMP PNP

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX @	I <sub>C</sub> (A)	V <sub>CE(sat)</sub> MAX (V) @	I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
2N5007	80	30/90	5.0	0.90	5.0	30.0**	116	TO-61/I	263
2N5009	80	70/200	5.0	0.90	5.0	40.0**	116	TO-61/I	263
2N5290	100	30/90	5.0	0.90	5.0	30.0	116	TO-61/I	263
2N5291	100	70/200	5.0	0.90	5.0	40.0	116	TO-61/I	263
2N5312	80	30/90	10.0	1.50	10.0	30.0	50*	TO-61/I	263
2N5314	100	30/90	10.0	1.50	10.0	30.0	50*	TO-61/I	263
2N5316	80	30/90	5.0	0.60	5.0	30.0	50*	TO-61/I	263
2N5318	100	30/90	5.0	0.60	5.0	30.0	50*	TO-61/I	283
2N5386	80	20/80	6.0	0.60	6.0	30.0	50	TO-61	263
2N5621	60	70/200	5.0	0.90	5.0	40.0	116	TO-3	263
2N5623	80	30/90	5.0	0.90	5.0	30.0	116	TO-3	263
2N5625	80	70/200	5.0	0.90	5.0	40.0	116	TO-3	263
2N5627	100	30/90	5.0	0.90	5.0	30.0	116	TO-3	263
2N5677	100	30/90	5.0	0.60	5.0	20.0	50*	TO-61	263
2N5737	60	20/80	5.0	0.50	5.0	10.0	50*	TO-3	267
2N5738	100	20/80	5.0	0.50	5.0	10.0	50*	TO-3	267
2N5739	60	20/80	5.0	0.50	5.0	10.0	20*	TO-66	267
2N5740	100	20/80	5.0	0.50	5.0	10.0	20*	TO-66	267
2N5853	80	30/90	5.0	0.90	5.0	15.0	66*	TO-61/I	265
2N6127	80	30/120	5.0	0.90	5.0	30.0	67*	TO-61/I	263
2N6248	100	20/100	5.0	3.50	10.0	10.0	125	TO-3	263
SDT3105	40	20/80	5.0	0.75	5.0	30.0	87	TO-61/I	263
SDT3106	60	20/80	5.0	0.75	5.0	30.0	87	TO-61/I	263
SDT3107	80	20/80	5.0	0.75	5.0	30.0	87	TO-61/I	263
SDT3108	100	20/80	5.0	0.75	5.0	30.0	87	TO-61/I	263
SDT3109	120	20/80	5.0	0.75	5.0	30.0	87	TO-61	263
SDT3115	40	20/80	5.0	0.75	5.0	30.0	87	TO-61	263
SDT3116	60	20/80	5.0	0.75	5.0	30.0	87	TO-61	263
SDT3117	80	20/80	5.0	0.75	5.0	30.0	87	TO-61	263
SDT3118	100	20/80	5.0	0.75	5.0	30.0	87	TO-61	263
SDT3119	120	20/80	5.0	0.75	5.0	30.0	87	TO-61	263
SDT3125	40	20/80	5.0	0.75	5.0	30.0	52	TO-111/I	263
SDT3126	60	20/80	5.0	0.75	5.0	30.0	52	TO-111/I	263
SDT3127	80	20/80	5.0	0.75	5.0	30.0	52	TO-111/I	263
SDT3128	100	20/80	5.0	0.75	5.0	30.0	52	TO-111/I	263
SDT3129	120	20/80	5.0	0.75	5.0	30.0	52	TO-111/I	263
SDT3801	60	25/90	1.0	0.70	3.0	10.0	35	TO-66	267
SDT3802	80	25/90	1.0	0.70	3.0	10.0	35	TO-66	267
SDT3803	60	50/180	1.0	0.70	3.0	10.0	35	TO-66	267
SDT3804	80	50/180	1.0	0.70	3.0	10.0	35	TO-66	267
SDT3805	40	20/80	5.0	0.75	5.0	10.0	35	TO-66	267
SDT3806	80	20/80	5.0	0.75	5.0	10.0	35	TO-66	267
SDT3807	40	40	5.0	0.75	5.0	10.0	35	TO-66	267
SDT3825	40	20/80	5.0	0.75	5.0	10.0	78	TO-3	267
SDT3826	80	20/80	5.0	0.75	5.0	10.0	78	TO-3	267
SDT3827	40	40	5.0	0.75	5.0	10.0	78	TO-3	267
SDT02353	300	10/50	5.0	1.00	8.0	4.0	100	TO-3	202
SDT02354	350	10/50	5.0	1.00	8.0	4.0	100	TO-3	202
SDT02355	400	10/50	5.0	1.00	8.0	4.0	100	TO-3	202

\*T<sub>C</sub> = 100° \*\*Exception to JEDEC



PRODUCT CATALOG  
**PLANAR POWER TRANSISTORS**  
**15 AMP NPN**

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX	@ I <sub>C</sub> (A)	V <sub>CE</sub> (sat) MAX (V)	@ I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
2N6546	300	6/30	10.0	1.50	10	6.0	175.0	TO-3	105
2N6547	400	6/30	10.0	1.50	10	6.0	175.0	TO-3	105
SDT14411	200	15/60	10.0	0.50	10	10.0	220.0	TO-63	114
SDT14412	225	15/60	10.0	0.50	10	10.0	220.0	TO-63	114
SDT14413	250	15/60	10.0	0.50	10	10.0	220.0	TO-63	114
SDT14414	275	15/60	10.0	0.50	10	10.0	220.0	TO-63	114
SDT14415	300	15/60	10.0	0.50	10	10.0	220.0	TO-63	114

**B**

**15 AMP PNP**

2N6246	60	20/100	7.0	2.50	15	10.0	125.0	TO-3	263
2N6247	80	20/100	6.0	3.50	15	10.0	125.0	TO-3	263

**20 AMP NPN**

2N3597	40	40/120	10.0	0.50	10	30.0	100.0*	TO-63	186
2N3598	60	40/120	10.0	0.50	10	30.0	100.0*	TO-63	186
2N3599	80	40/120	10.0	0.50	10	30.0	100.0*	TO-63	186
2N4210	60	20/100	10.0	1.00	10	10.0	100.0*	TO-63	186
2N4211	80	20/100	10.0	1.00	10	10.0	100.0*	TO-63	186
2N5329	90	40/120	10.0	1.80	20	40.0	65.0*	TO-61/I	144
2N5539	130	25/75	10.0	0.80	15	20.0	100.0*	TO-63	186
2N5731	80	30/300	5.0	1.20	10	30.0	87.5	TO-61/I	185
2N5732	80	30/300	5.0	1.20	10	30.0	87.5	TO-3	185
2N5957	100	30/120	10.0	0.90	10	10.0	100.0*	TO-61	179
2N5959	100	30/120	10.0	0.90	10	10.0	100.0*	TO-61	179
2N6046	60	20/100	20.0	2.00	20	25.0	114.0	TO-63	186
2N6047	100	20/100	20.0	2.00	20	25.0	114.0	TO-63	186
2N6048	140	20/100	20.0	2.00	20	25.0	114.0	TO-63	186
SDT3201	40	30/90	10.0	1.75	10	30.0	87.0	TO-61	185
SDT3202	60	30/90	10.0	1.75	10	30.0	87.0	TO-61	185
SDT3203	80	30/90	10.0	1.75	10	30.0	87.0	TO-61	185
SDT3204	100	30/90	10.0	1.75	10	30.0	87.0	TO-61	185
SDT8002	60	40/120	10.0	1.00	10	20.0	175.0	TO-63	186
SDT8003	80	40/120	10.0	1.00	10	20.0	175.0	TO-63	186
SDT8012	60	20/60	10.0	0.60	10	20.0	175.0	TO-63	186
SDT8013	80	20/60	10.0	0.60	10	20.0	175.0	TO-63	186
SDT8015	60	40/120	10.0	0.60	10	20.0	175.0	TO-63	186
SDT8016	80	40/120	10.0	0.60	10	20.0	175.0	TO-63	186
SDT8045	25	40	10.0	1.50	10	20.0	175.0	TO-63	186
SDT8070	60	100	10.0	0.60	10	20.0	175.0	TO-63	186
SDT8071	80	100	10.0	0.60	10	20.0	175.0	TO-63	186
SDT8751	100	15/60	10.0	0.60	10	20.0	175.0	TO-63	186
SDT8752	120	15/60	10.0	0.60	10	20.0	175.0	TO-63	186
SDT8753	150	15/60	10.0	0.60	10	20.0	175.0	TO-63	186
SDT8754	180	15/60	10.0	0.60	10	20.0	175.0	TO-63	186
SDT8755	100	30/90	10.0	0.60	10	20.0	175.0	TO-63	186
SDT8756	120	30/90	10.0	0.60	10	20.0	175.0	TO-63	186

\*T<sub>C</sub> = 100°C

PLANAR POWER TRANSISTORS

20 AMP NPN [continued]

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX @	I <sub>C</sub> (A)	V <sub>CE(sat)</sub> MAX (V) @	I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
SDT8757	150	30/90	10	0.60	10	20.0	175	TO-63	186
SDT8758	180	30/90	10	0.60	10	20.0	175	TO-63	186
SDT44331	40	15	20	1.50	20	40.0	122	TO-3	144
SDT44332	60	15	20	1.50	20	40.0	122	TO-3	144
SDT44333	80	15	20	1.50	20	40.0	122	TO-3	144
SDT44334	100	15	20	1.50	20	40.0	122	TO-3	144
SDT44335	100	15	20	1.50	20	40.0	122	TO-3	144
SDT55470	450	10/40	20	1.00	20	3.0	620	TO-63	155
SDT55472	500	10/40	20	1.00	20	3.0	620	TO-63	155

20 AMP PNP

2N5678	100	25/75	10	0.80	15	20.0	100*	TO-63	268
2N5741	60	20/80	10	1.50	10	10.0	65*	TO-3	263
2N5742	100	20/80	10	1.50	10	10.0	65*	TO-3	263
2N5743	60	20/80	10	1.50	10	10.0	25*	TO-66	263
2N5744	100	20/80	10	1.50	10	10.0	25*	TO-66	263
2N5958	100	30/120	10	0.90	10	10.0	100*	TO-61	263
2N5960	100	30/120	10	0.90	10	10.0	100*	TO-61/I	263
SDT3101	40	20/80	10	1.75	10	10.0	87	TO-61/I	263
SDT3102	60	20/80	10	1.75	10	10.0	87	TO-61/I	263
SDT3103	80	20/80	10	1.75	10	10.0	87	TO-61/I	263
SDT3104	100	20/80	10	1.75	10	10.0	87	TO-61/I	263
SDT3850	40	20/80	10	1.80	10	10.0	42	TO-66	263
SDT3851	80	20/80	10	1.80	10	10.0	42	TO-66	263
SDT3852	40	40	10	1.80	10	10.0	97	TO-66	263
SDT3875	40	20/80	10	1.80	10	10.0	97	TO-3	263
SDT3876	80	20/80	10	1.80	10	10.0	97	TO-3	263
SDT3877	40	40	10	1.80	10	10.0	97	TO-3	263

25 AMP NPN

2N3265	90	20/55	15	1.00	20	20.0	100*	TO-63	186
2N3266	60	20/80	15	1.60	20	20.0	100*	TO-63	186
2N5885	60	20/100	10	1.00	15	4.0	200	TO-3	111
2N5886	80	20/100	10	1.00	15	4.0	200	TO-3	111
2N6338	100	30/120	10	1.00	10	40.0	200	TO-3	144
2N6339	120	30/120	10	1.00	10	40.0	200	TO-3	144
2N6340	140	30/120	10	1.00	10	40.0	200	TO-3	144
2N6341	150	30/120	10	1.00	10	40.0	200	TO-3	144

25 AMP PNP

2N5883	60	20/100	10	1.00	15	4.0	200	TO-3	265
2N5884	80	20/100	10	1.00	15	4.0	200	TO-3	265

30 AMP NPN

2N4002	80	20/80	15	1.20	30	30.0	100	TO-63	179
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\*T<sub>C</sub> = 100°C

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX	@ I <sub>C</sub> (A)	V <sub>CE(sat)</sub> MAX (V)	@ I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
2N4003	100	20/80	15	1.20	30	30.0	100	TO-63	179
2N5330	90	40/120	10	0.60	10	40.0**	80*	TO-61/I	144
2N5331	90	40/120	10	0.60	10	40.0**	100*	TO-63	144
2N5584	180	40/120	10	0.50	10	30.0**	100*	TO-63	179
2N5671	90	20/100	15	0.75	15	30.0**	80*	TO-3	179
2N5672	120	20/100	15	0.75	15	30.0**	80*	TO-3	179
2N5733	80	30/300	10	1.20	20	25.0**	175	TO-63	186
2N5734	80	30/300	10	1.20	20	25.0**	175	TO-3	186
2N5966	100	25/100	15	1.20	15	10.0	125*	TO-63	179
SDT6338	80	40/120	20	1.00	20	20.0	200	TO-3	189
SDT6339	100	40/120	20	1.00	20	20.0	200	TO-3	189
SDT6340	120	40/120	20	1.00	20	20.0	200	TO-3	189
SDT6341	150	20/80	20	1.00	20	20.0	200	TO-3	189
SDT8151	120	40/120	10	1.00	10	25.0	175	TO-61/I	186
SDT8152	80	40/120	10	1.00	10	25.0	175	TO-61/I	186
SDT8153	60	40/120	10	1.00	10	25.0	175	TO-61/I	186
SDT8154	80	100	10	1.00	10	25.0	175	TO-61/I	186
SDT8155	60	100	10	1.00	10	25.0	175	TO-61/I	186
SDT8156	120	20/60	10	1.00	10	20.0	175	TO-61/I	186
SDT8157	80	20/60	10	1.00	10	20.0	175	TO-61/I	186
SDT8158	60	20/60	10	1.00	10	20.0	175	TO-61/I	186
SDT8159	25	20	10	2.00	10	20.0	175	TO-61/I	186
SDT8301	60	40/120	10	0.60	10	25.0	175	TO-63	186
SDT8302	80	40/120	10	0.60	10	25.0	175	TO-63	186
SDT8303	60	100	10	0.60	10	25.0	175	TO-63	186
SDT8304	80	100	10	0.60	10	25.0	175	TO-63	186
SDT44301	60	20/60	15	0.60	15	40.0	200	TO-3	144
SDT44302	80	20/60	15	0.60	15	40.0	200	TO-3	144
SDT44303	100	20/60	15	0.60	15	40.0	200	TO-3	144
SDT44306	60	40/120	15	0.60	15	40.0	200	TO-3	144
SDT44307	80	40/120	15	0.60	15	40.0	200	TO-3	144
SDT44308	100	40/120	15	0.60	15	40.0	200	TO-3	144
SDT44311	125	15	15	0.60	15	40.0	200	TO-3	144
SDT44312	150	15	15	0.60	15	40.0	200	TO-3	144
SDT44313	175	15	15	0.60	15	40.0	200	TO-3	144
SDT55462	350	8/40	30	1.50	30	3.0	625	TO-63	101
SDT55464	400	8/40	30	1.50	30	3.0	625	TO-63	101

## 30 AMP PNP

2N5967	100	30/100	15	1.20	15	10.0	125*	TO-63	268
SDT6436	80	40/120	20	1.00	20	20.0	200	TO-3	288
SDT6437	100	40/120	20	1.00	20	20.0	200	TO-3	288
SDT6438	120	40/120	20	1.00	20	20.0	200	TO-3	288

## 40 AMP NPN

SDT55456	250	10/50	40	0.80	35	3.0	625	TO-63	101
SDT55460	300	10/50	40	0.80	35	3.0	625	TO-63	101

\*T<sub>C</sub> = 100°C \*\*Exception to JEDEC

PLANAR POWER TRANSISTORS

40 AMP NPN [continued]

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX @	I <sub>C</sub> (A)	V <sub>CE(sat)</sub> MAX (V) @	I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
SDT55556	250	10/50	40	0.8	35	3.0	625	TO-68	101
SDT55560	300	10/50	40	0.8	35	3.0	625	TO-68	101
SDT55956	250	10/50	40	0.8	35	3.0	700	TO-114	101
SDT55960	300	10/50	40	0.8	35	3.0	700	TO-114	101

50 AMP NPN

2N5926	120	10/40	50	0.6	50	0.5	200*	TO-63	196
2N6060	100	25/120	20	0.8	20	10.0	150*	TO-63	179
2N6215	80	25/150	25	0.8	25	20.0	125*	TO-63	179
2N6278	100	30/120	20	1.2	20	30.0	250	TO-63	179
2N6279	120	30/120	20	1.2	20	30.0	250	TO-63	179
2N6280	140	30/120	20	1.2	20	30.0	250	TO-63	179
2N6281	150	30/120	20	1.2	20	30.0	250	TO-63	179
SDT55405	150	10/50	50	0.7	50	10.0	490	TO-63	155
SDT55407	200	10/50	50	0.7	50	10.0	490	TO-63	155
SDT79823	80	40/120	10	0.5	10	20.0	125	TO-228AB/I	179
SDT96304	200	8/40	40	2.0	40	10.0	175	TO-3	196
SDT96305	250	8/40	40	2.0	40	10.0	175	TO-3	196
SDT96306	300	8/40	20	2.0	40	10.0	175	TO-3	196
SDT96404	200	8/40	40	2.0	40	10.0	220	TO-63	196
SDT96405	250	8/40	40	2.0	40	10.0	125	TO-63	196
SDT96406	300	8/40	40	2.0	40	10.0	220	TO-63	196
SDT96904	200	8/40	40	2.0	40	10.0	350	TO-114	196
SDT96905	250	8/40	40	2.0	40	10.0	350	TO-114	196
SDT96906	300	8/40	40	2.0	40	10.0	350	TO-114	196

50 AMP PNP

2N6061	100	25/120	20	0.8	20	10.0	150*	TO-63	268
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60 AMP PNP

SDT3901	40	10/40	40	2.0	40	25.0	220	TO-114	268
SDT3902	60	10/40	40	2.0	40	25.0	220	TO-114	268
SDT3903	80	10/40	40	2.0	40	25.0	220	TO-114	268
SDT3904	100	10/40	40	2.0	40	25.0	220	TO-114	268

75 AMP NPN

SDT55505	150	10/50	75	1.4	75	10.0	385	TO-68	155
SDT55507	200	10/50	75	1.4	75	10.0	385	TO-68	155
SDT55708	200	20/60	75	1.2	75	10.0	300	TO-228AC/I	155
SDT55905	150	10/50	75	1.4	75	10.0	525	TO-68	155
SDT55907	200	10/50	75	1.4	75	10.0	525	TO-114	155

80 AMP NPN

2N5587	120	10/30	80	2.0	80	0.5	350	TO-114	196
2N5588	160	10/30	80	2.0	80	0.5	350	TO-114	196

\*T<sub>C</sub> = 100°C

DEVICE TYPE	V <sub>CEO</sub> (V)	h <sub>FE</sub> MIN/MAX	@ I <sub>C</sub> (A)	V <sub>CE</sub> (sat) MAX (V)	@ I <sub>C</sub> (A)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
2N4865	80	10/40	70	2.5	70	10	350	TO-114	196
2N4866	120	10/40	70	2.5	70	10	350	TO-114	196
2N5250	100	10/40	70	2.5	70	10	350	TO-114	196
2N5251	150	10/40	70	2.5	70	10	350	TO-114	196
SDT96301	60	10	70	1.8	70	10	175	TO-3	196
SDT96302	100	10	70	1.8	70	10	175	TO-3	196
SDT96303	140	10	70	1.8	70	10	175	TO-3	196
SDT96401	60	10	70	1.8	70	10	220	TO-63	196
SDT96402	100	10	70	1.8	70	10	220	TO-63	196
SDT96403	140	10	70	1.8	70	10	220	TO-63	196
SDT96901	60	10	70	1.0	70	10	350	TO-114	196
SDT96902	100	10	70	1.0	70	10	350	TO-114	196
SDT96903	140	10	70	1.0	70	10	350	TO-114	196

**B**

**90 AMP PNP**

SDT3920	60	10	75	1.5	50	10	350	TO-114	438
SDT3921	80	10	75	1.5	50	10	350	TO-114	438
SDT3922	100	10	75	1.5	50	10	350	TO-114	438
SDT3923	120	10	75	1.5	50	10	350	TO-114	438

**100-200 AMP NPN**

SDT55503	100	15/75	100	0.8	100	10	385	TO-68	155
SDT55504	125	15/75	100	0.8	100	10	385	TO-68	155
SDT55903	100	15/75	100	0.8	100	10	525	TO-114	155
SDT55904	125	15/75	100	0.8	100	10	525	TO-114	155
SDT99501	100	5	200	1.0	120	10	500	TO-68	199
SDT99502	200	10	100	1.0	100	10	500	TO-68	199
SDT99503	300	10	85	1.0	70	10	500	TO-68	199
SDT99504	400	10	60	1.0	60	10	500	TO-68	199
SDT99505	500	10	40	1.0	40	10	500	TO-68	199
SDT99701	100	5	200	1.0	120	10	350	TO-228AC/I	199
SDT99702	200	10	100	1.0	100	10	350	TO-228AC/I	199
SDT99703	300	10	85	1.0	70	10	350	TO-228AC/I	199
SDT99704	400	10	60	1.0	60	10	350	TO-228AC/I	199
SDT99705	500	10	40	1.0	40	10	350	TO-228AC/I	199
SDT99901	100	5	200	1.0	120	10	700	TO-114	199
SDT99902	200	10	100	1.0	100	10	700	TO-114	199
SDT99903	300	10	85	1.0	70	10	700	TO-114	199
SDT99904	400	10	60	1.0	60	10	700	TO-114	199
SDT99905	500	10	40	1.0	40	10	700	TO-114	199