

## PRODUCT CATALOG



## PLANAR POWER TRANSISTORS

Devices, Inc.

## 2 AMP NPN

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		
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



## PRODUCT CATALOG

## PLANAR POWER TRANSISTORS

## (continued) 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
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

## PRODUCT CATALOG



Devices, Inc.

## PLANAR POWER TRANSISTORS

## 2 AMP PNP [continued]

7-33-01

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
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

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SOLITRON DEVICES INC

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## PRODUCT CATALOG

Devices, Inc.

## PLANAR POWER TRANSISTORS

## [continued] 3 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
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