



Devices, Inc.

PRODUCT CATALOG

PLANAR POWER TRANSISTORS

15 AMP NPN

DEVICE TYPE	V _{CEO} (V)	h _{FE} MIN/MAX	@ I _C (A)	V _{CE} (sat) MAX (V)	@ I _C (A)	f _T MIN (MHz)	P _T 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

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_C = 100°C

PRODUCT CATALOG

PLANAR POWER TRANSISTORS

20 AMP NPN [continued]

DEVICE TYPE	V _{CEO} (V)	h _{FE} MIN/MAX	@ I _C (A)	V _{CE} (sat) MAX (V)	@ I _C (A)	f _T MIN (MHz)	P _T 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
--------	----	-------	----	------	----	------	-----	-------	-----

*T_C = 100°C



SOLITRON DEVICES INC

Devices, Inc.

95 DE 8368602 0002775 5

PRODUCT CATALOG

PLANAR POWER TRANSISTORS

(continued)

30 AMP NPN

DEVICE TYPE	V _{CEO} (V)	h _{FE} MIN/MAX	@ I _C (A)	V _{CE} (sat) MAX (V)	@ I _C (A)	f _T MIN (MHz)	P _T 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_C = 100°C **Exception to JEDED

PRODUCT CATALOG



Devices, Inc.

PLANAR POWER TRANSISTORS

40 AMP NPN [continued]

DEVICE TYPE	V _{CEO} (V)	h _{FE} MIN/MAX	@ I _C (A)	V _{CE} (sat) MAX (V)	@ I _C (A)	f _T MIN (MHz)	P _T 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
--------	-----	--------	----	-----	----	------	------	-------	-----

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_C = 100°C



SOLITRON DEVICES INC

Devices, Inc.

95 DE 8368602 0002777 9

PRODUCT CATALOG

PLANAR POWER TRANSISTORS

90 AMP NPN

DEVICE TYPE	V _{CEO} (V)	h _{FE} MIN/MAX	@ I _C (A)	V _{CE} (sat) MAX (V)	@ I _C (A)	f _T MIN (MHz)	P _T 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

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	10	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	10	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	10	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