

DARLINGTON 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
SDM3000	40	1000	5.0	3.0	5.0	40.0	50.00	TO-3***	103/230
SDM3001	60	1000	5.0	3.0	5.0	40.0	50.00	TO-3***	103/230
SDM3002	80	1000	5.0	3.0	5.0	40.0	50.00	TO-3***	103/230
SDM3003	40	1000	2.5	2.0	2.5	40.0	50.00	TO-3***	103/230
SDM3004	60	1000	2.5	2.0	2.5	40.0	50.00	TO-3***	103/230
SDM3005	80	1000	2.5	2.0	2.5	40.0	50.00	TO-3***	103/230
SDM3100	40	1000	5.0	3.0	5.0	40.0	35.00	TO-66*	103
SDM3101	60	1000	5.0	3.0	5.0	40.0	35.00	TO-66*	103
SDM3102	80	1000	5.0	3.0	5.0	40.0	35.00	TO-66*	103
SDM3103	40	1000	2.5	2.0	2.5	40.0	35.00	TO-66*	103
SDM3104	60	1000	2.5	2.0	2.5	40.0	35.00	TO-66*	103
SDM3105	80	1000	2.5	2.0	2.5	40.0	35.00	TO-66*	103
SDM3300	40	1000	5.0	3.0	5.0	40.0	8.75	TO-33	103
SDM3301	60	1000	5.0	3.0	5.0	40.0	8.75	TO-33	103
SDM3302	80	1000	5.0	3.0	5.0	40.0	8.75	TO-33	103
SDM3303	40	1000	2.5	2.0	2.5	40.0	8.75	TO-33	103
SDM3304	60	1000	2.5	2.0	2.5	40.0	8.75	TO-33	103
SDM3305	80	1000	2.5	2.0	2.5	40.0	8.75	TO-33	103

5 AMP PNP

SDM3200	40	1000	5.0	3.0	5.0	40.0	35.00	TO-66*	230
SDM3201	60	1000	5.0	3.0	5.0	40.0	35.00	TO-66*	230
SDM3202	80	1000	5.0	3.0	5.0	40.0	35.00	TO-66*	230
SDM3203	40	1000	2.5	2.0	2.5	40.0	35.00	TO-66*	230
SDM3204	60	1000	2.5	2.0	2.5	40.0	35.00	TO-66*	230
SDM3205	80	1000	2.5	2.0	2.5	40.0	35.00	TO-66*	230
SDM3400	40	1000	5.0	3.0	5.0	40.0	8.75	TO-33	230
SDM3401	60	1000	5.0	3.0	5.0	40.0	8.75	TO-33	230
SDM3402	80	1000	5.0	3.0	5.0	40.0	8.75	TO-33	230
SDM3403	40	1000	2.5	2.0	2.5	40.0	8.75	TO-33	230
SDM3404	60	1000	2.5	2.0	2.5	40.0	8.75	TO-33	230
SDM3405	80	1000	2.5	2.0	2.5	40.0	8.75	TO-33	230

10 AMP NPN

SDM4010	100	1000	2.0	1.0	2.0	0.6**	117.00	TO-3	301
SDM4011	120	1000	2.0	1.0	2.0	0.6**	117.00	TO-3	301
SDM4012	140	1000	2.0	1.0	2.0	0.6**	117.00	TO-3	301
SDM4013	160	1000	2.0	1.0	2.0	0.6**	117.00	TO-3	301
SDM4014	100	750	2.0	1.0	2.0	0.6**	117.00	TO-3	301
SDM4015	120	750	2.0	1.0	2.0	0.6**	117.00	TO-3	301
SDM4016	140	750	2.0	1.0	2.0	0.6**	117.00	TO-3	301
SDM4017	160	750	2.0	1.0	2.0	0.6**	117.00	TO-3	301
SDM5010	100	1000	4.0	1.1	4.0	0.6**	150.00	TO-3	303
SDM5011	120	1000	4.0	1.1	4.0	0.6**	150.00	TO-3	303
SDM5012	140	1000	4.0	1.1	4.0	0.6**	150.00	TO-3	303
SDM5013	160	1000	4.0	1.1	4.0	0.6**	150.00	TO-3	303
SDM5014	1000	750	4.0	1.1	4.0	0.6**	150.00	TO-3	303
SDM5015	120	750	4.0	1.1	4.0	0.6**	150.00	TO-3	303
SDM5016	120	750	4.0	1.1	4.0	0.6**	150.00	TO-3	303
SDM5017	160	750	4.0	1.1	4.0	0.6**	150.00	TO-3	303

\*Three Lead TO-66 \*\*Single Diffused Mesa \*\*\*TO3 (8pin)

PRODUCT CATALOG  
**DARLINGTON 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(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
SDM4001	40	1000 @ 4.0	1.1 @ 4.0	0.8**	117.0	TO-3	300
SDM4002	60	1000 @ 4.0	1.1 @ 4.0	0.8**	117.0	TO-3	300
SDM4003	80	1000 @ 4.0	1.1 @ 4.0	0.8**	117.0	TO-3	300
SDM4004	40	750 @ 4.0	1.1 @ 4.0	0.8**	117.0	TO-3	300
SDM4005	60	750 @ 4.0	1.1 @ 4.0	0.8**	117.0	TO-3	300
SDM4006	80	750 @ 4.0	1.1 @ 4.0	0.8**	117.0	TO-3	300
SDM6000	300	300/3000 @ 5.0	1.1 @ 5.0	10.0	140.0	TO-3	400
SDM6001	350	300/3000 @ 5.0	1.1 @ 5.0	10.0	140.0	TO-3	400
SDM6002	400	300/3000 @ 5.0	1.1 @ 5.0	10.0	140.0	TO-3	400
SDM6003	450	300/3000 @ 5.0	1.1 @ 5.0	10.0	140.0	TO-3	400
SDM6004	500	300/3000 @ 5.0	1.1 @ 5.0	10.0	5.0	TO-3	400

**20 AMP NPN**

SDM5001	40	1500 @ 6.0	1.0 @ 6.0	0.8**	150.0	TO-3	302
SDM5002	60	1500 @ 6.0	1.0 @ 6.0	0.8**	150.0	TO-3	302
SDM5003	80	1500 @ 6.0	1.0 @ 6.0	0.8**	150.0	TO-3	302
SDM5004	40	1000 @ 6.0	1.0 @ 6.0	0.8**	150.0	TO-3	302
SDM5005	60	1000 @ 6.0	1.0 @ 6.0	0.8**	150.0	TO-3	302
SDM5006	80	1000 @ 6.0	1.0 @ 6.0	0.8**	150.0	TO-3	302

\*\*Single Diffused Mesa

**B**