

T-33-29
T-33-31NPN & PNP¹ SILICON DARLINGTON TRANSISTORS

STI Type	Industry Type	Power Dissipation @ 25°C (watts)	V _{CE0} (volts)	V _{CEr} (volts)	I _{CEV}		h _{FE} @ I _c			V _{CE} (SAT.) V _{BE} (SAT.) @ I _c			COB pF	CASE STYLE
					(volts)	uA	(Min.)	(Max.)	A	(volts)	(volts)	A		
ST-10003	MJ10003	150	450	400**	450	250	30	300	5.0	1.9	2.5	5.0	275	TO-3
ST-10004 ²	MJ10004	175	400	350**	400	250	50	600	5.0	1.9	2.5	5.0	325	TO-3
ST-10005 ²	MJ10005	175	450	400**	450	250	50	600	5.0	1.9	2.5	5.0	325	TO-3
ST-10006 ²	MJ10006	150	400	350**	400	250	40	500	2.5	1.9	2.5	5.0	275	TO-3
ST-10007 ²	MJ10007	150	450	400**	450	250	40	500	2.5	1.9	2.5	5.0	275	TO-3
ST-10008 ²	MJ10008	175	450	450**	450	250	30	300	10	2.0	2.5	10	325	TO-3
ST-10009 ²	MJ10009	175	500	500**	500	250	30	300	10	2.0	2.5	10	325	TO-3
ST-10011	MJ10011	80	1400	700**	1400	250	20	—	4.0	3.0	2.0	3.5	—	TO-3
ST-10012	MJ10012	175	550	400**	550	1000	20	—	10	2.5	3.0	10	350	TO-3
ST-10013 ²	MJ10013	175	650	550**	650	300	10	250	10	2.5	3.0	10	350	TO-3
ST-10014 ²	MJ10014	175	700	600**	700	300	10	250	10	2.5	3.0	10	350	TO-3
ST-10015	MJ10015	250	600	400**	600	250	10	—	40	2.2	2.7	20	750	TO-3
ST-10016	MJ10016	250	700	500**	700	250	10	—	40	2.2	2.7	20	750	TO-3
ST-10022	MJ10022	250	450	350**	450	250	50	600	10	2.2	2.5	20	600	TO-3 ³
ST-10023	MJ10023	250	600	400**	600	250	50	600	10	2.2	2.5	20	600	TO-3 ³
STH11020	MJH11020	150	200	200	200	500	400	—	10	2.0	2.8	10	400	TO-218
STH11022	MJH11022	150	250	250	250	500	400	—	10	2.0	2.8	10	400	TO-218
STI-1010	DTS-1010	100	120	120	120	100	500	—	3.0	1.8	2.0	5.0	—	TO-3
STI-1020	DTS-1020	100	120	120	120	100	250	—	3.0	1.5	2.0	5.0	—	TO-3
STI-2000	DTS-2000	.70	40	40	40	5.0	2000	30000	.60	1.2	1.8	.60	15	TO-92
STI-2001	DTS-2001	.70	60	60	60	5.0	2000	30000	.60	1.2	1.8	.60	15	TO-92
STI-2002	DTS-2002	.70	80	80	80	5.0	2000	30000	.60	1.2	1.8	.60	15	TO-92
STI-2003	DTS-2003	.70	100	100	100	5.0	2000	30000	.60	1.2	1.8	.60	15	TO-92
STI-3003D	STI-3003D	100	300	300	250	200	400	—	3.0	1.2	2.5	5.0	—	TO-3
STI-4003D	STI-4003D	100	400	400	350	200	400	—	3.0	1.2	2.5	5.0	—	TO-3
STI-4010	DTS-4010	100	250	250**	250	250	150	—	10	1.8	2.0	5.0	—	TO-3
STI-4025	DTS-4025	100	400	400**	400	250	150	—	5.0	1.8	2.0	5.0	—	TO-3
STI-4026	DTS-4026	100	600	600**	600	250	150	—	5.0	1.8	2.0	5.0	—	TO-3
STI-4039	DTS-4039	100	400	400**	400	250	200	—	3.0	5.0	2.8	15	—	TO-3
STI-4040	DTS-4040	100	400	400	400	250	250	—	3.0	1.8	2.2	5.0	—	TO-3
STI-4041	DTS-4041	100	400	400**	400	250	250	—	3.0	2.2	2.8	15	—	TO-3
STI-4045	DTS-4045	100	400	400	400	250	500	—	3.0	1.7	2.8	10	—	TO-3
STI-4046	DTS-4046	100	600	600	600	250	400	—	3.0	1.6	2.2	5.0	—	TO-3
STI-4055 ²	IR-4055	125	500	500	400	.25	200	—	5.0	2.0	2.8	15	—	TO-3
STI-4059	DTS-4059	100	600	600	600	250	200	—	3.0	5.0	2.8	15	—	TO-3
STI-4060 ²	DTS-4060	125	600	500	600	.25	8.0	—	15	2.0	2.5	15	—	TO-3
STI-4061	DTS-4061	100	600	600	600	250	250	—	3.0	2.2	2.8	15	—	TO-3
STI-4062	DTS-4062	100	600	600	600	250	75	—	10	1.5	2.3	10	200	TO-3
STI-4065	DTS-4065	100	600	600	600	250	500	—	3.0	1.5	1.8	3.0	—	TO-3
STI-4066	DTS-4066	100	600	600	600	250	75	—	10	2.0	2.3	10	200	TO-3
STI-4067	DTS-4067	100	600	600	600	250	150	—	10	1.5	2.3	10	200	TO-3
STI-4072	DTS-4072	100	600	600	600	250	75	—	10	1.5	2.3	10	200	TO-3
STI-4074	DTS-4074	100	600	600	600	250	75	—	10	2.0	2.3	10	200	TO-3
STI-4075	DTS-4075	100	600	600	600	250	150	—	10	1.5	2.3	10	200	TO-3
STI-5003D	STI-5003D	100	500	500	450	200	400	—	3.0	1.2	2.5	5.0	—	TO-3
STI-5740	MJE-5740	80	600	300	600	1000	200	—	4.0	2.0	2.5	4.0	—	TO-220
STI-5741	MJE-5741	80	700	350	700	1000	200	—	4.0	2.0	2.5	4.0	—	TO-220
STI-5742	MJE-5742	80	800	400	800	1000	200	—	4.0	2.0	2.5	4.0	—	TO-220
STI-6003D	STI-6003D	100	600	600	550	200	400	—	3.0	1.2	2.5	5.0	—	TO-3
STI-7003D	STI-7003D	100	700	700	650	200	400	—	3.0	1.4	2.6	5.0	—	TO-3
STI-8003D	STI-8003D	100	800	800	750	250	400	—	3.0	1.4	2.6	5.0	—	TO-3
STI-17770 ²	STI-17770	150	400	400	400	.25	100	900	5.0	2.0	2.0	5.0	350	TO-218
STI-17771 ²	STI-17771	150	450	450	450	.25	100	900	5.0	2.0	2.0	5.0	350	TO-218
STI-17772 ²	STI-17772	150	500	500	500	.25	100	900	5.0	2.0	2.0	5.0	350	TO-218
STI-17773 ²	STI-17773	150	400	400	400	.25	100	900	10	2.0	2.5	10	350	TO-218
STI-17774 ²	STI-17774	150	450	450	450	.25	100	900	10	2.0	2.5	10	350	TO-218
STI-17775 ²	STI-17775	150	500	500	500	.25	100	900	10	2.0	2.5	10	350	TO-218
STI-17776 ²	STI-17776	150	400	400	400	.25	100	900	20	2.5	3.0	20	350	TO-218
STI-17777 ²	STI-17777	150	450	450	450	.25	100	900	20	2.5	3.0	20	350	TO-218
STI-17778 ²	STI-17778	150	500	500	500	.25	100	900	20	2.5	3.0	20	350	TO-218

**V_{CE0}²SPEED UP DIODE¹PNP³PINS .058" ± .002"