

NPN & PNP HIGH VOLTAGE SILICON HIGH POWER TRANSISTORS

T-33-01

STI Type	Industry Type	Power Dissipation @ 25 °C (watts)	V <sub>CEV</sub> (volts)	V <sub>CEO</sub> (volts)	I <sub>CEV</sub>		h <sub>FE</sub> @ I <sub>C</sub>		V <sub>CE(SAT.)</sub> V <sub>BE(SAT.)</sub> @ I <sub>C</sub>			COB pF	f <sub>T</sub> (MHz)	CASE STYLE
					(volts)	mA	(Min.)	A	(volts)	(volts)	A			
ST-559	TIP-559	150	400	300	400	.25	10	1.0	2.0	2.0	2.0	—	5.0	TO-3
ST-560	TIP-560	150	450	350	450	.25	10	1.0	2.0	2.0	2.0	—	5.0	TO-3
ST-561	TIP-561	150	500	400	500	.25	10	1.0	2.0	2.0	2.0	—	5.0	TO-3
ST-562	TIP-562	150	300	300	300	.25	20	1.0	2.0	2.0	3.0	—	5.0	TO-3
ST-563	TIP-563	150	400	400	400	.25	20	1.0	2.0	2.0	3.0	—	5.0	TO-3
ST-575	TIP-575	100	350	200	350	.25	30	.50	1.0	1.0	3.0	—	10	TO-3
ST-575A	TIP-575A	100	400	250	400	.25	30	.50	1.0	1.0	3.0	—	10	TO-3
ST-575B	TIP-575B	100	450	300	450	.25	30	.50	1.0	1.0	3.0	—	10	TO-3
ST-575C	TIP-575C	100	500	400	500	.25	30	.50	1.0	1.0	3.0	—	10	TO-3
ST-660*	TIP-660	80	320	320	320	1.0	200	4.0	2.8	2.2	6.5	—	—	TO-3
ST-661*	TIP-661	80	350	350	350	1.0	200	4.0	2.8	2.2	6.5	—	—	TO-3
ST-662*	TIP-662	80	380	380	380	1.0	200	4.0	2.8	2.2	6.5	—	—	TO-3
ST-663*	TIP-663	150	400	300	350	.25	500	5.0	3.0	2.5	20	250	10	TO-3
ST-664*	TIP-664	150	450	350	400	.25	500	5.0	3.0	2.5	20	250	10	TO-3
ST-665*	TIP-665	150	500	400	450	.25	500	5.0	3.0	2.5	20	250	10	TO-3
ST-666*	TIP-666	150	400	300	350	.25	40	2.5	2.8	2.2	5.0	—	10	TO-3
ST-667*	TIP-667	150	450	350	400	.25	40	2.5	2.8	2.2	5.0	—	10	TO-3
ST-668*	TIP-668	150	550	450	450	.25	40	2.5	2.8	2.2	5.0	—	10	TO-3
ST-3040*	MJ-3040	175	400	300	400	1.0	100	2.5	2.5	3.0	5.0	—	—	TO-3
ST-3041*	MJ-3041	175	400	300	400	1.0	250	2.5	2.5	3.0	5.0	—	—	TO-3
ST-3042*	MJ-3042	175	500	350	500	1.0	250	2.5	2.5	3.0	5.0	—	—	TO-3
ST-6000*	IR-6000	125	400	400	400	1.0	100	5.0	1.8	2.5	15	—	8.0	TO-3
ST-6001*	IR-6001	125	450	450	450	1.0	100	5.0	1.8	2.5	15	—	8.0	TO-3
ST-6002*	IR-6002	125	500	500	500	1.0	100	5.0	1.8	2.5	15	—	8.0	TO-3
ST-6060* <sup>2</sup>	IR-6060	125	350	350	350	1.0	100	10	2.0	3.5	20	—	8.0	TO-3
ST-6061* <sup>2</sup>	IR-6061	125	400	400	400	1.0	100	10	2.0	3.5	20	—	8.0	TO-3
ST-6062* <sup>2</sup>	IR-6062	125	450	450	450	1.0	100	10	2.0	3.5	20	—	8.0	TO-3
ST-6503 <sup>1</sup>	MJ-6503	125	450	400	450	.50	15	2.0	1.5	1.5	4.0	400	—	TO-3
ST-8500	MJ-8500	125	1200	700	1200	.25	7.5	1.0	2.0	1.5	1.0	250	—	TO-3
ST-8501	MJ-8501	125	1400	800	1400	.25	7.5	1.0	2.0	1.5	1.0	250	—	TO-3
ST-8502	MJ-8502	150	1200	700	1200	.25	7.5	1.0	2.0	1.5	2.5	300	—	TO-3
ST-8503	MJ-8503	150	1400	800	1400	.25	7.5	1.0	2.0	1.5	2.5	300	—	TO-3
ST-8504	MJ-8504	175	1200	700	1200	.25	7.5	1.5	2.0	1.5	5.0	450	—	TO-3
ST-8505	MJ-8505	175	1400	800	1400	.25	7.5	1.5	2.0	1.5	5.0	450	—	TO-3
ST-10000*	MJ-10000	175	400	350	400	.25	40	10	1.9	2.5	10	325	10	TO-3
ST-10001*	MJ-10001	175	450	400	450	.25	40	10	1.9	2.5	10	325	10	TO-3
ST-10002*	MJ-10002	150	400	350	400	.25	30	5.0	1.9	2.5	5.0	275	10	TO-3
ST-10003*	MJ-10003	150	450	400	450	.25	30	5.0	1.9	2.5	5.0	275	10	TO-3
ST-10004* <sup>2</sup>	MJ-10004	175	400	350	400	.25	50	5.0	1.9	2.5	5.0	325	10	TO-3
ST-10005* <sup>2</sup>	MJ-10005	175	450	400	450	.25	50	5.0	1.9	2.5	5.0	325	10	TO-3
ST-10006* <sup>2</sup>	MJ-10006	150	400	350	400	.25	40	2.5	1.9	2.5	5.0	275	10	TO-3
ST-10007* <sup>2</sup>	MJ-10007	150	450	400	450	.25	40	2.5	1.9	2.5	5.0	275	10	TO-3
ST-10008* <sup>2</sup>	MJ-10008	175	450	450	450	.25	30	10	2.0	2.5	10	325	8.0	TO-3
ST-10009* <sup>2</sup>	MJ-10009	175	500	500	500	.25	30	10	2.0	2.5	10	325	8.0	TO-3
ST-10011*	MJ-10011	80	1400	700	1400	.25	20	4.0	3.0	2.0	3.5	—	—	TO-3
ST-10012*	MJ-10012	175	550	400	550	1.0	20	10	2.5	3.0	10	350	—	TO-3
ST-10013* <sup>2</sup>	MJ-10013	175	650	550	650	.30	10	10	2.5	3.0	10	350	10	TO-3
ST-10014* <sup>2</sup>	MJ-10014	175	700	600	700	.30	10	10	2.5	3.0	10	350	10	TO-3
ST-10015*	MJ-10015	250	600	400	600	.25	10	40	2.2	2.7	20	750	—	TO-3
ST-10016*	MJ-10016	250	700	500	700	.25	10	40	2.2	2.7	20	750	—	TO-3
ST-10022*	MJ-10022	250	450	350	450	.25	50	10	2.2	2.5	20	600	—	TO-3 <sup>3</sup>
ST-10023*	MJ-10023	250	600	400	600	.25	50	10	2.2	2.5	20	600	—	TO-3 <sup>3</sup>
ST-12002	MJ-12002	75	1500	750	1500	1.0	10	1.0	5.0	1.5	2.0	50	4.0	TO-3
ST-12003	MJ-12003	100	1500	750	1500	1.0	10	2.0	5.0	1.5	3.0	90	4.0	TO-3
ST-12004	MJ-12004	100	1500	750	1500	1.0	10	3.0	5.0	1.5	4.5	125	4.0	TO-3
ST-12005	MJ-12005	100	1500	750	1500	.25	5.0	5.0	5.0	1.5	5.0	150	6.0	TO-3
ST-12010	MJ-12010	100	950	400	950	1.0	4.0	5.0	5.0	1.5	5.0	350	—	TO-3
ST-13014	MJ-13014	150	550	350	550	.50	12	2.5	1.4	1.5	5.0	350	—	TO-3
ST-13015	MJ-13015	150	600	400	600	.50	12	2.5	1.4	1.5	5.0	350	—	TO-3
ST-13070	MJ-13070	150	650	400	650	.50	8.0	3.0	1.0	1.5	3.0	250	—	TO-3

\*DARLINGTON TRANSISTOR  
 \*\*V<sub>CEO</sub>  
 \*\*\*V<sub>CEV</sub>

<sup>1</sup>PNP  
<sup>2</sup>SPEED UP DIODE  
<sup>3</sup>PINS .058" ± .002"