

T-33-01



NPN & PNP HIGH VOLTAGE SILICON HIGH POWER TRANSISTORS

STI Type	Industry Type	Power Dissipation @ 25 °C (watts)	V _{CEV} (volts)	V _{CEO} (volts)	I _{CEV}		h _{FE} @ I _C		V _{CE} (SAT.) V _{BE} (SAT.) @ I _C			COB pF	f _T (MHz)	CASE STYLE
					(volts)	mA	(Min.)	A	(volts)	(volts)	A			
ST-13071	MJ-13071	150	750	450	750	.50	8.0	3.0	1.0	1.5	3.0	250	—	TO-3
ST-13080	MJ-13080	150	650	400	650	.50	8.0	5.0	1.0	1.5	5.0	300	—	TO-3
ST-13081	MJ-13081	150	750	450	750	.50	8.0	5.0	1.0	1.5	5.0	300	—	TO-3
ST-13090	MJ-13090	175	650	400	650	.50	8.0	10	1.0	1.5	10	350	—	TO-3
ST-13091	MJ-13091	175	750	450	750	.50	8.0	10	1.0	1.5	10	350	—	TO-3
ST-13100	MJ-13100	175	650	400	650	.50	8.0	15	1.0	1.5	15	450	—	TO-3
ST-13101	MJ-13101	175	750	450	750	.50	8.0	15	1.0	1.5	15	450	—	TO-3
ST-13330	MJ-13330	175	400	200	400	.25	8.0	10	1.5	1.8	10	400	5.0	TO-3
ST-13331	MJ-13331	175	450	250	450	.25	8.0	10	1.5	1.8	10	400	5.0	TO-3
ST-13332	MJ-13332	175	650	350	650	.25	10	5.0	1.8	1.8	10	500	—	TO-3
ST-13333	MJ-13333	175	700	400	700	.25	10	5.0	1.8	1.8	10	500	—	TO-3
ST-13334	MJ-13334	175	750	450	750	.25	10	5.0	1.8	1.8	10	500	—	TO-3
ST-13335	MJ-13335	175	800	500	800	.25	10	5.0	1.8	1.8	10	500	—	TO-3
ST-15011	MJ-15011	200	250	250	250	.50	20	2.0	2.5	2.0	4.0	750	—	TO-3
ST-15012 ¹	MJ-15012	200	250	250	250	.50	20	2.0	2.5	2.0	4.0	750	—	TO-3
ST-15022	MJ-15022	250	350	200	200	.25	15	8.0	1.4	2.2	8.0	500	4.0	TO-3
ST-15023 ¹	MJ-15023	250	350	200	200	.25	15	8.0	1.4	2.2	8.0	600	4.0	TO-3
ST-15024	MJ-15024	250	450	250	250	.25	15	8.0	1.4	2.2	8.0	500	4.0	TO-3
ST-15025 ¹	MJ-15025	250	400	250	250	.25	15	8.0	1.4	2.2	8.0	600	4.0	TO-3
ST-16002	MJ-16002	125	850	450	850	.25	5.0	5.0	1.5	2.0	5.0	200	—	TO-3
ST-16004	MJ-16004	125	850	450	850	.25	7.0	5.0	1.5	2.0	5.0	200	—	TO-3
ST-16006	MJ-16006	150	850	450	850	.25	5.0	8.0	1.5	2.0	8.0	—	—	TO-3
ST-16006A	MJ-16006A	150	1000	500	1000	.25	5.0	8.0	1.5	1.5	5.0	350	—	TO-3
ST-16008	MJ-16008	150	850	450	850	.25	7.0	8.0	1.5	2.0	8.0	—	—	TO-3
ST-16010	MJ-16010	175	850	450	850	.25	5.0	15	1.5	2.0	15	400	—	TO-3
ST-16010A	MJ-16010A	175	1000	500	1000	.25	5.0	15	1.5	1.5	15	400	—	TO-3
ST-16012	MJ-16012	175	850	450	850	.25	7.0	15	1.5	2.0	15	400	—	TO-3
ST-16018	MJ-16018	175	1500	800	1500	.25	7.0	5.0	1.5	1.5	5.0	400	—	TO-3
STI-401	DTS-401	75	400	400***	400	.05	20	.50	.80	1.5	.50	—	2.0	TO-3
STI-402	DTS-402	100	700	400***	700	.15	10	3.0	2.0	1.5	3.0	—	2.0	TO-3
STI-403	DTS-403	100	400	400***	400	.05	5.0	3.5	2.0	1.1	3.5	—	2.0	TO-3
STI-409	DTS-409	100	400	400***	400	.05	15	1.0	1.2	1.5	1.0	—	2.0	TO-3
STI-410	DTS-410	100	200	1000***	200	.05	30	1.0	.80	1.5	1.0	—	2.0	TO-3
STI-411	DTS-411	100	300	900***	300	.05	30	1.0	.80	1.5	1.0	—	2.0	TO-3
STI-413	DTS-413	75	400	900***	400	.05	20	.50	.80	1.5	.50	—	2.0	TO-3
STI-423	DTS-423	100	400	600	400	.05	30	1.0	.80	1.5	.50	—	2.0	TO-3
STI-424	DTS-424	100	700	400***	400	.05	30	1.0	.80	1.5	1.0	—	2.0	TO-3
STI-425	DTS-425	100	700	400***	400	.05	10	2.5	.80	1.5	1.0	—	2.0	TO-3
STI-430	DTS-430	100	400	400***	400	.15	15	2.5	.90	1.5	2.5	—	2.0	TO-3
STI-431	DTS-431	100	400	400***	400	.15	15	2.5	.70	1.5	2.5	—	2.0	TO-3
STI-515	DTS-515	125	300	250	300	.50	15	3.0	1.8	1.5	3.0	220	5.0	TO-3
STI-516	DTS-516	125	400	250	400	.50	20	3.0	1.5	1.5	3.0	220	5.0	TO-3
STI-517	DTS-517	125	500	250	500	.50	20	3.0	1.2	1.4	3.0	220	5.0	TO-3
STI-518	DTS-518	125	600	275	600	.50	25	3.0	1.6	1.4	7.0	220	5.0	TO-3
STI-519	DTS-519	125	700	300	700	.50	25	3.0	1.4	1.4	7.0	220	5.0	TO-3
STI-520	DTS-520	125	700	350	700	.50	7.0	7.0	1.9	1.7	7.0	220	5.0	TO-3
STI-701	DTS-701	50	800	600***	800	.50	20	.15	1.0	1.5	.15	—	2.0	TO-3
STI-702	DTS-702	50	1200	1000***	1200	.50	2.5	2.0	1.5	2.0	2.0	200	20	TO-3
STI-704	DTS-704	50	1400	1000***	1400	.50	2.5	2.0	1.5	2.0	2.0	200	20	TO-3
STI-708	DTS-708	50	900	900***	900	.25	8.0	1.0	2.0	2.0	1.0	150	20	TO-3
STI-709	DTS-709	50	900	900***	900	.25	3.0	2.0	1.0	2.0	2.0	200	20	TO-3
STI-710	DTS-710	50	900	600	750	1.0	7.0	1.0	1.2	2.0	1.0	150	20	TO-3
STI-712	DTS-712	50	1200	900***	1200	.50	2.5	2.0	2.0	2.5	2.0	200	20	TO-3
STI-714	DTS-714	50	1400	900	1400	.50	2.5	2.0	2.0	2.5	2.0	200	20	TO-3
STI-720	DTS-720	50	1000	1000***	1000	.25	18	.15	1.2	2.0	1.0	150	20	TO-3
STI-721	DTS-721	50	1000	1000	1000	.25	20	.15	1.2	2.0	1.0	150	20	TO-3
STI-723	DTS-723	50	1200	1000***	1200	.50	10	.50	.80	1.2	1.0	150	20	TO-3
STI-801	DTS-801	100	900	900***	750	.10	20	.15	1.0	1.5	.15	—	2.0	TO-3
STI-802	DTS-802	100	1200	1000***	1200	.50	2.2	3.5	1.2	2.0	3.5	200	20	TO-3
STI-804	DTS-804	100	1400	1000***	1400	.50	2.2	3.5	1.2	2.0	3.5	200	20	TO-3

*DARLINGTON TRANSISTOR
 **V_{CEO}
 ***V_{CEV}

¹PNP
²SPEED UP DIODE
³PINS .058" ± .002"