

## TABLE 13 : NPN/PNP HIGH VOLTAGE TRANSISTORS

The transistors shown in this table are designed for driving numerical indicator tubes, neon lamps and other applications requiring high voltage capability.

Type	V <sub>CB0</sub> V	V <sub>CEO</sub> V	Max I <sub>C</sub> mA	Max V <sub>CE(sat)</sub> at			h <sub>FE</sub> at			Max I <sub>CB0</sub> μA	P <sub>tot</sub> at T <sub>amb</sub> = 25°C mW	Comple- ment	
				V	I <sub>C</sub> mA	I <sub>B</sub> mA	Min	Max	I <sub>C</sub> mA				
													V <sub>CB</sub> V
<b>NPN</b>													
ZTX658	400	400	500	0.5	100	10	50	—	100	0.1	300	1000	ZTX758
ZTX458	400	400	500	0.5	50	6	100	300	50	0.1	320	1000	ZTX558
ZTX657§	300	300	500	0.5	100	10	50	—	100	0.1	200	1000	ZTX757
MPSA42§	300	300	500	0.5	20	2.0	40	—	10	0.1	200	680	MPSA92
BF393	300	300	500	2.0	20	2.0	40	—	10	0.1	200	625	BF493
BF392	250	250	500	2.0	20	2.0	40	—	10	0.1	200	625	BF492
ZTX656	200	200	500	0.5	100	10	50	—	100	0.1	160	1000	ZTX756
MPSA43	200	200	500	0.4	20	2.0	40	—	10	0.1	160	680	MPSA93
BF391	200	200	500	2.0	20	2.0	40	—	10	0.1	160	625	BF491
2N5551	180	160	600	0.2	50	5	80	250	10	0.05	120	350	2N5401
ZTX655§	150	150	1000	0.5	1000	200	50	—	500	0.1	125	1000	ZTX755
ZTX455§	160	140	1000	0.7	150	15	100	300	150	0.1	140	1000	ZTX555
2N5550	160	140	600	0.25	50	5	60	250	10	0.1	100	350	2N5400
ZTX654	125	125	1000	0.5	1000	200	50	—	500	0.1	100	1000	ZTX754
ZTX454	140	120	1000	0.7	150	15	100	300	150	0.1	120	1000	ZTX554
ZTX342	120	120	100	0.5	2	0.1	30	—	2	0.5	100	300	ZTX542
ZTX341	100	100	100	0.5	2	0.1	30	—	2	0.5	80	300	ZTX541
<b>PNP</b>													
ZTX758	400	400	500	0.5	100	10	50	—	100	0.1	300	1000	ZTX658
ZTX558	400	400	500	0.5	50	6	100	300	50	0.1	320	1000	ZTX458
BF493SP	350	350	500	2.0	20	2.0	40	—	10	0.005	250	625	—
ZTX757§	300	300	500	0.5	100	10	50	—	100	0.1	200	1000	ZTX657
ZTX557§	300	300	500	0.3	50	5	50	300	50	0.1	200	1000	—
MPSA92§	300	300	500	0.5	20	2.0	40	—	10	0.1	200	680	MPSA42
BF493	300	300	500	2.0	20	2.0	40	—	10	0.1	200	625	BF393
BF492	250	250	500	2.0	20	2.0	40	—	10	0.1	200	625	BF392
ZTX776	200	200	1000	0.5	1000	200	50	—	500	0.1	160	1000	—
ZTX576	200	200	1000	0.3	100	10	50	300	300	0.1	160	1000	—
ZTX756	200	200	500	0.5	100	10	50	—	100	0.1	160	1000	ZTX656
ZTX556	200	200	500	0.3	50	5	50	300	50	0.1	160	1000	—
MPSA93	200	200	500	0.4	20	2.0	40	—	10	0.1	160	680	MPSA43
BF491	200	200	500	2.0	20	2.0	40	—	10	0.1	160	625	BF391
2N5401	160	150	600	0.5	50	5	60	240	10	0.05	120	350	2N5551
ZTX755§	150	150	1000	0.5	1000	200	50	—	500	0.1	125	1000	ZTX655
ZTX555§	160	150	1000	0.3	100	10	50	300	300	0.1	140	1000	ZTX455
ZTX754	125	125	1000	0.5	1000	200	50	—	500	0.1	100	1000	ZTX654
ZTX554	140	125	1000	0.3	100	10	50	300	300	0.1	120	1000	ZTX454
2N5400	130	120	600	0.5	50	5	40	180	10	0.1	100	350	2N5550
ZTX542	120	120	100	0.5	2	0.1	30	—	2	0.5	100	300	ZTX342
ZTX541	100	100	100	0.5	2	0.1	30	—	2	0.5	80	300	ZTX341

§Available with centre collector lead form option. See centre collector section for details.