

# High Voltage Transistors

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			H <sub>FE</sub>				V <sub>CE(max)</sub>		f <sub>T</sub> min (MHz)	C <sub>ob</sub> C <sub>re</sub> * max (MHz)
			P <sub>d</sub> (mW)	I <sub>C</sub> I <sub>CM</sub> * (mA)	V <sub>CEO</sub> V <sub>CER</sub> * (V)	min	max	I <sub>C</sub> (mA)	V <sub>CE</sub> (V)	max (V)	I <sub>C</sub> (mA)		
BFT59	N	TO-18	360	200	300	25	-	30	10	1	30	110+	5.5+
BFW43	P	TO-18	400	100	150	40	-	10	10	0.5	10	60	7
BFW44	P	TO-39	700	100	150	40	-	10	10	0.5	10	60	7
BFW45	N	TO-39	800	50	130	20	120	50	20	10	50	80	6
BFX98	N	TO-39	800	100	150	30	-	25	10	1	25	40	8
BFY57	N	TO-39	800	100	125	30	150	30	10	1.5	50	40	12
BFY80	N	TO-18	500	100	90	30	-	2	10	0.9	2	50	8
BSS38	N	TO-92F	300	100	80	20	-	4	1	0.7	4	60	-
BSV68	P	TO-18	250	100	100	30	-	25	5	0.25	25	50	5
BSY79	N	TO-18	300	30	120*	30	-	1	1	0.5	2	100+	4+
MH7301	N	TO-220	1250	100	160	40	-	30	10	1.5	30	50	5
MH7302	N	TO-220	1250	100	200	40	-	30	10	1.5	30	50	5
MH7303	N	TO-220	1250	100	250	40	-	30	10	1.5	30	50	5
MPSA42	N	TO-92A	625	100	300	40	-	30	10	0.5	20	50	3
MPSA43	N	TO-92A	625	100	200	50	200	30	10	0.4	20	50	4
MPSA92	P	TO-92A	625	500	300	25	-	30	10	0.5	20	50	6*
MPSA93	P	TO-92A	625	500	200	25	-	30	10	0.4	20	50	8*
MPSD01	N	TO-92A	625	100	200	20	-	30	10	-	-	40	3+
MPSD02	N	TO-92A	350	50	140	25	-	10	10	-	-	40	-
MPSD03	N	TO-92A	350	50	140	25	-	10	10	-	-	40	-
MPSD52	P	TO-92A	350	50	140	25	-	10	10	-	-	40	-
MPSD53	P	TO-92A	350	50	100	25	-	10	10	-	-	40	-
MPSL01	N	TO-92A	500	100	120	50	300	10	5	0.3	50	60	8
MPSL51	P	TO-92A	625	600	100	40	250	50	5	0.3	50	60	8
P038	P	TO-92B	600	500	300	25	200	0.2	0.5	0.5	1	35	-
P039	N	TO-92B	600	500	300	25	150	100	1	0.3	200	10	-
2N3114	N	TO-39	800	200	150	30	120	30	10	1	50	40	9
2N3634	P	TO-39	600	100	140	50	150	50	10	0.5	50	150	10
2N3742	N	TO-39	1000	100	300	20	200	30	10	1	10	30	6
2N3743	N	TO-39	1000	50	300	25	250	30	10	8	30	30	15
2N3923	N	TO-39	800	1000	150	30	120	25	10	1	25	40	3.5
2N4926	N	TO-39	1000	50	200	20	200	30	10	1	10	30	6
2N4927	N	TO-39	1000	50	250	20	200	30	10	1	10	30	6
2N4928	P	TO-39	600	100	100	25	200	10	10	0.5	10	100	6
2N5058	N	TO-39	1000	150	300	35	150	30	25	1	30	30	10
2N5059	N	TO-39	1000	150	250	30	150	30	25	1	30	30	10
2N5400	P	TO-92A	350	600	120	40	180	10	5	0.5	50	100	6
2N5401	P	TO-92A	350	600	150	60	240	10	5	0.5	50	100	6
2N5550	N	TO-92A	350	600	140	60	250	10	5	0.25	50	100	6
2N5551	N	TO-92A	350	600	160	80	250	10	5	0.2	50	100	6
2SA637	P	TO-18	300	50	150*	30	-	15	3	1	15	40	10
2SA639	P	TO-92B	200	50	180	30	330	15	6	0.9	10	130+	4.5+
2SA675	P	TO-92B	250	100	80*	50	300 #	20	3	1.5	20	100	10
2SA685	P	TO-92B	300	50	150*	30	-	15	3	1	15	40	10
2SA749	P	TO-92B	250	50	100	50	-	20	1	0.3	50	40	3.5+
2SC505	N	TO-39	600	200	300	40	140 #	50	5	1	50	30	20
2SC506	N	TO-39	600	200	300	40	140 #	50	5	1	50	30	20
2SC507	N	TO-39	750	100	200	40	240 #	10	5	0.8	10	100	4
2SC526	N	TO-39	750	55	150	20	-	45	20	-	-	80	3.5*
2SC1012	N	TO-39	2500□	60	165*	20	-	40	20	1	10	80	3*
2SC1012A	N	TO-39	2500□	60	250*	20	-	40	20	10	60	80	3*
2SC1033	N	TO-39	300	25	150	30	-	5	10	1	5	75	7*
2SC1048	N	TO-39	600	25	200	40	200 #	25	10	1.3	25	40	4.2
2SC1103	N	TO-39	800	100	250	40	200	10	10	2	50	60	4
2SC1279	N	TO-92B	250	50	160	50	330	10	3	0.5	10	150+	4.5+

# HFE groupings available + typical value □ Tc=25°C