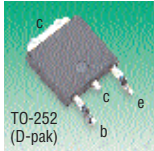


**Order Multiple=5**

Mftrs. List No.	Order Code	5+	25+	100+	1K+
FZT560	<b>SMD301-4757</b>				
MPSW92	<b>682-275</b>				
ZTX458	<b>707-820</b>				
ZTX558	<b>707-843</b>				
ZTX657	<b>358-307</b>				
ZTX658	<b>259-718</b>				
ZTX757	<b>358-370</b>				
ZTX758	<b>259-731</b>				
ZTX857	<b>259-743</b>				

## High Power Bipolar Transistors – V<sub>ce0</sub> to 150V

### D-pak, General Purpose



H = 2.38, W = 6.73, D = 10.28



I <sub>c</sub> max. A	V <sub>ce0</sub> max. V	h <sub>FE</sub> min.	f <sub>T</sub> @ I <sub>c</sub> MHz	P <sub>tot</sub> @ 25°C W	Mftrs. List No.
1.0	400	25	0.2	10	MJD50
3.0	100	10	1.0	3	MJD31C
5.0	25	70	0.5	65	MJD200T4
6.0	100	20	0.5	3	MJD41C
8.0	80	40	4.0	20.0	MJD44H11

Mftrs. List No.	Order Code	1+	25+	100+	500+
MJD200T4	<b>473-560 †</b>				
MJD31C	<b>737-707</b>				
MJD32C	<b>737-719</b>				
MJD41C	<b>473-571</b>				
MJD44H11	<b>931-378</b>				
MJD45H11	<b>931-380</b>				
MJD50	<b>247-285</b>				

† Available until stocks are exhausted

### General Purpose

I <sub>c</sub> (av) max. A	V <sub>ce0</sub> max. V	h <sub>FE</sub> min.	f <sub>T</sub> @ I <sub>c</sub> MHz	P <sub>tot</sub> @ 25°C W	Package	Mftr.	Mftrs. List No.
0.05	250	50	0.025	1.8	TO-126	PS	BF469 BF470
0.05	250	50	0.025	1.6	TO-202	PS	BF869 BF870
0.5	300	30	0.05	20	TO-126	ON/ST	MJE340 MJE350
1	45	40	0.15	12.5	TO-126	ST	BD135 BD136
1	60	40	0.15	12.5	TO-126	ST	BD138
1	80	40	0.15	12.5	TO-126	ST	BD140
1.5	45	40	0.15	8	SOT-32	PS	BD136-16
1.5	80	40	0.15	12.5	TO-126	PS	BD231
1.5	80	40	0.15	12.5	TO-126	ON	BD139 BD140
2	80	25	1	26	TO-126	ON/ST	BD237 BD238
3	45	40	0.5	15	TO-126	PS	BD131 BD132
3	60	20	0.5	30	TO-126	—	2N4919
3	80	20	0.5	30	TO-126	—	2N4923 2N4920
3	80	40	0.15	30	TO-126	ON	BD179 BD180
4	22	50	1	36	TO-126	ST	BD433 BD434
4	32	50	2	36	TO-126	ST	BD435 BD436
4	45	40	2	36	TO-126	ON/ST	BD437 BD438
4	60	40	0.5	36	TO-126	ON	BD440
4	80	20	1.5	40	TO-126	ST	2N5192 2N5195
4	80	40	0.5	36	TO-126	ON	BD442
4	100	40	0.2	15	TO-126	ON	BD791
5	60	40	2	5	TO-39	ST	BFX34
5	60	45	0.5	15	TO-126	PS	BDX35
5	60	45	0.5	15	TO-126	—	BDX36
5	80	45	0.5	15	TO-126	PS	BDX37
6	50	100	1	10	TO-126	SEM	BUP41 BUP40
10	60	15	10	150	TO-3	ST	2N3772
10	60	20	3	80	SOT-93	—	TIP33A TIP34A
10	80	50	1	150	TO-3	—	2N3716
10	100	30	120	60	TO-3	ST	BDY90
15	40	15	10	150	TO-3	ST	2N3771
15	60	5	10	150	TO-3	ST	—
15	60	20	4	115	TO-3	—	2N3055H
15	60	20	4	150	TO-3	SEM	—
15	60	20	4	115	TO-3	ST	2N3055
15	70	20	4	90	SOT-93	—	TIP3055 TIP2955
15	80	20	5	150	TO-3	—	2N6254
15	80	20	6	160	TO-3	ON	2N5882
15	120	20	4	180	TO-3	ON	MJ15015 MJ15016
15	140	25	4	200	TO-3	ON	MJ15001 MJ15002
16	140	15	8	150	TO-3	ON	2N3773
16	160	15	8	125	TO-218	ON	MJE4343 MJE4353
16	200	15	8	250	TO-3	ON	MJ15022 MJ15023
16	250	15	8	250	TO-3	ON	MJ15024 MJ15025
20	100	20	12	140	TO-3	ST	2N5038
20	140	25	5	250	TO-3	ON	MJ15003 MJ15004
20	200	10	15	200	TO-3	SEM	SM3159
25	60	10	15	125	SOT-93	—	TIP36A
25	60	20	10	200	TO-3	—	2N5883
25	80	20	10	200	TO-3	ST	2N5886
25	80	20	10	200	TO-3	ON	2N5886 2N5884
25	100	10	15	125	SOT-93	—	TIP35C TIP36C
25	100	25	1.5	125	TO-218	ON	BD249C
25	120	20	10	200	TO-3	ON	—
30	60	10	40	150	TO-247	SEM	BUW48
30	80	10	30	150	TO-247	SEM	BUW49
30	90	25	7.5	200	TO-3	ST	MJ802
30	100	6	30	200	TO-3	SEM	2N6328 2N6331

continued

I <sub>c</sub> (av) max. A	V <sub>ce0</sub> max. V	h <sub>FE</sub> min.	f <sub>T</sub> @ I <sub>c</sub> MHz	P <sub>tot</sub> @ 25°C W	Package	Mftr.	Mftrs. List No.
50	125	20	25	250	TO-3	ST	BUV20
50	125	—	—	250	TO-3	SEM	BUT90
50	125	—	—	250	TO-3	SEM	BUV60
70	125	—	—	350	TO-3	ON	BUS50

FOR PACKAGE AND PIN OUT DETAILS, SEE PAGE 358

SD37 / SD36

Mftrs. List No.	Order Code	1+	25+	100+	500+	1K+
BD131	<b>.360-478</b>					
BD132	<b>.360-480</b>					
BD135	<b>.360-491</b>					
BD136	<b>.360-508</b>					
BD136-16	<b>316-3155</b>					
BD138	<b>360-521</b>					
BD139	<b>334-3315</b>					
BD140 (ON)	<b>334-3420</b>					
BD140 (ST)	<b>360-545 †</b>					
BD179	<b>708-513</b>					
BD180	<b>708-525</b>					
BD231	<b>360-600</b>					
BD237 (ON)	<b>931-093</b>					
BD237 (ST)	<b>360-650</b>					
BD238 (ON)	<b>931-100</b>					
BD238 (ST)	<b>360-661</b>					
BD249C	<b>247-108</b>					
BD433	<b>360-752</b>					
BD434	<b>360-764</b>					
BD435	<b>360-776</b>					
BD436	<b>360-788</b>					
BD437 (ON)	<b>.931-135</b>					
BD437 (ST)	<b>360-790</b>					
BD438 (ON)	<b>.931-147</b>					
BD438 (ST)	<b>360-806</b>					
BD440	<b>247-110</b>					
BD442	<b>247-121</b>					
BD791	<b>300-4090</b>					
BDX35	<b>360-892</b>					
BDX36	<b>360-909</b>					
BDX37	<b>360-910</b>					
BDY90	<b>360-971 †</b>					
BF469	<b>359-348</b>					
BF470	<b>359-350</b>					
BF869	<b>359-373</b>					
BF870	<b>359-385 †</b>					
BFX34	<b>361-010</b>					
BUP40	<b>361-033</b>					
BUP41	<b>.361-045</b>					
BUS50	<b>.638-092</b>					
BUT90	<b>361-800</b>					
BUV20	<b>.361-811</b>					
BUV60	<b>361-835</b>					
BUW48	<b>523-045</b>					
BUW49	<b>523-057</b>					
MJ802	<b>260-320</b>					
MJ2955	<b>251-938</b>					
MJ15001	<b>708-616 †</b>					
MJ15002	<b>708-628</b>					
MJ15003	<b>.361-872</b>					
MJ15004	<b>.361-884</b>					
MJ15015	<b>361-896</b>					
MJ15016	<b>737-720</b>					
MJ15022	<b>931-354</b>					
MJ15023	<b>931-366</b>					
MJ15024	<b>548-406</b>					
MJ15025	<b>548-418</b>					
MJE340 (ON)	<b>931-410</b>					
MJE340 (ST)	<b>360-016</b>					
MJE350 (ON)	<b>931-421</b>					
MJE350 (ST)	<b>360-028</b>					
MJE4343	<b>233-0970</b>					
MJE4353	<b>300-4910</b>					
PMP3055	<b>.309-2446</b>					
SM3159	<b>.360-053</b>					
TIP33A	<b>.361-240</b>					
TIP34A	<b>.361-252</b>					
TIP35C	<b>.361-914</b>					
TIP36A	<b>.361-938 †</b>					
TIP36C	<b>.361-926</b>					
TIP2955	<b>.361-940</b>					
TIP3055	<b>.361-951</b>					
2N3055	<b>361-963</b>					
2N3055H	<b>.361-975</b>					
2N3716	<b>361-392</b>					
2N3771	<b>.361-987</b>					
2N3772	<b>.361-999</b>					
2N3773	<b>.638-067</b>					
2N4919	<b>361-458</b>					
2N4920	<b>361-460</b>					
2N4923	<b>361-495</b>					
2N5038	<b>362-013</b>					
2N5192</						