

FAIRCHILD TRANSISTORS

POWER

POWER SWITCHING TRANSISTORS (BY I_C max, POLARITY) (Cont'd)

Item	DEVICE NO. Polarity		V_{CE0} V Max	h_{FE} Min/Max	@ I_C A	Switching Times			@ I_C A Typ	P_D W $T_C=25^\circ C$	Package No.
	NPN	PNP				t_{on} μs Typ	t_s μs Typ	t_f μs Typ			
I_C Max = 20 A											
1	2N5038		90	20/100	10	0.30	0.75	0.15	10	140	TO-3
2	2N6282 ⁽¹⁾	2N6285 ⁽¹⁾	60	750/18K	10	.8/.6	3.3/2.5	4/1.5	10	160	TO-3
3	2N6283 ⁽¹⁾	2N6286 ⁽¹⁾	80	750/18K	10	.8/.6	3.3/2.5	4/1.5	10	160	TO-3
4	2N6284 ⁽¹⁾	2N6287 ⁽¹⁾	100	750/18K	10	.8/.6	3.3/2.5	4/1.5	10	160	TO-3
I_C Max = 30 A											
5	2N5301	2N4398	40	15/60	15	.35/.3	1.2/.7	.5/.4	10	200	TO-3

POWER GROOVE MOS TRANSISTORS

Item	DEVICE NO.		V_{DS} V Max	V_{DG} V Max	I_{GF} mA Max	I_D A Max	g_{fs} mV Min	Switching Times ⁽²⁾				P_D W Max	Package No.
	N-Channel	P-Channel						$t_{d(on)}$ ns Max	t_r ns Max	$t_{d(off)}$ ns Max	t_f ns Max		
6	VN46AF		40	40	2.0	2.0	170	5.0	5.0	5.0	5.0	12.5	Dynawatt
7	VN66AF		60	60	2.0	2.0	170	5.0	5.0	5.0	5.0	12.5	Dynawatt
8	2N6657		60	60	2.0	2.0	170	5.0	5.0	5.0	5.0	25	TO-3
9	FVN2		60	60	2.0	2.0	100	10	10	10	10	6.25	TO-39
10		FVP1	60	60	2.0	2.0	150	10	10	10	10	25	TO-3
11		FVP2	60	60	2.0	1.5	100	10	10	10	10	6.25	TO-39
12	VN88AF		80	80	2.0	2.0	170	5.0	5.0	5.0	5.0	12.5	Dynawatt
13	2N6658		90	90	2.0	2.0	170	5.0	5.0	5.0	5.0	25	TO-3
14	2N6661		90	90	2.0	2.0	170	5.0	5.0	5.0	5.0	6.25	TO-39

1. Darlington
2. $I_D = 1A$, $R_L = 25\Omega$