

TO-18 TRANSISTORS
FAST SPEED SWITCH NPN

Device Type	Polarity	V _{CEO} V _{CER} (+) (Volts)	I _C max. (mA)	H _{FE} @	I _C (mA)	V _{CE} (Volts)	V _{CE} (sat) max. (V)
2N706	NPN	20 (+)		20	10	1	0.6
2N708	NPN	15		30	10	1	0.4
2N914	NPN	15	150	30	10	1	0.7
2N2368	NPN	15	200	20	10	1	0.25
2N2369	NPN	15	200	40	10	1	0.25
2N2369A	NPN	15	200	40	10	0.35	0.2
2N3227	NPN	20	200	100	10	1	0.25
BSX90	NPN	12	200	20	10	0.35	1.0
2N4260	NPN	15	30	30	10	1	0.35
2N4261	NPN	15	30	30	10	1	0.35

FAST SPEED SWITCH PNP

2N869A	PNP	18	200	40	30	0.5	0.25
2N2894	PNP	12	200	40	30	0.5	0.2
2N3012	PNP	12	200	30	30	0.5	0.2
2N3546	PNP	12	—	30	10	1.0	0.25
BSX29	PNP	12	200	30	30	0.5	0.5

CORE DRIVERS NPN

2N4013	NPN	30	1000	25	800	2	0.42
2N4014	NPN	50	1000	20	800	2	0.52

TO-46 (TO-18 LOW PROFILE)
CHOPPERS PNP

Device Type	Polarity	V _{CEO} (Volts)	I _C max. (mA)	H _{FE} min. @ I _C V _{CE} (mA) (Volts)			I _E = 0 V _{EC} (Ofs) @ I _C (mA)	
2N2944	PNP	10	100	80	1.0	0.5	0.6	1.0
2N2945	PNP	20	100	40	1.0	0.5	1.0	1.0
2N2946	PNP	35	100	30	1.0	0.5	2.0	1.0

TO-72 (TO-18 4 LEADS)
HIGH FREQUENCY RF

Device Type	Polarity	V _{CEO} (Volts)	I _C max. (mA)	H _{FE} min. @	I _C (mA)	V _{CE} (Volts)	F _T min. @	I _C (mA)
2N918	NPN	15	50	20	3	1	600	4

I _C (mA)	I _B (mA)	T _{ON} (ns)	T _S (ns)	T _{OFF} (ns) @	I _C (mA)	I _{B1} (mA)	I _{B2} (mA)	Comments
10	1	40	25	75	10	3.5	1.7	Exists A, B Version
10	1	—	25	—	10	10	10	
200	20	40	—	40	200	40	20	
10	1	12	10	15	10	3	15	
10	1	12	13	18	100	10	10	
10	1	12	13	18	10	3	15	
10	1	23	13	28	100	10	10	
100	10	12	—	40	100	40	20	
10	1	1.2	—	1.0	10	—	—	
10	1	1.2	—	1.0	10	—	—	

30	1.5	50	65	80	30	1.5	1.5	
30	3	60	—	90	30	1.5	1.5	
30	3	60	—	75	30	1.5	1.5	
50	5	40	20	30	50	5	5	
100	10	60	18	90	30	3	3	

500	50	35	50	60	500	50	50	
500	50	35	50	60	500	50	50	

H _{FE} (Inv) —	I _E (mA _{dc})	V _{EC} (Volts)	I _E = 0 R _{EC} (On) @ (Ohms)	I _B (mA)	I _C (μA)	Comments
6.0	200	0.5	20	1.0	100	Exists in A Version
4.0	200	0.5	35	1.0	100	
3.0	200	0.5	45	1.0	100	

G _p @ (dB)	I _C (mA)	V _{CB} (Volts)	F = 60 MHz H _F max. @ (ns)	I _C (mA)	V _{CE} (Volts)	
15	6	12	6	10	6	