

TRANSISTORS—SMALL SIGNAL

PNP HIGH SPEED SATURATED SWITCHING TRANSISTORS (BY ASCENDING V_{CE0})

METAL PACKAGE

(FOR MEDIUM SPEED — SEE GENERAL PURPOSE SECTION)

TYPE	V_{CE0} (V_{CER})		t_s (t_{off})	h_{FE}		$V_{CE(sat)}$		f_T	C_{ob} (C_{cb})	P_D		Package	NPN Complement
	VOLTS		ns @ I_C	h_{FE}	@ I_C	VOLTS @ I_C		MHz	pF	T_A	T_C		
	MIN	MAX	mA	MIN - MAX	mA	MAX	mA	MIN	MAX	25°C	W		
2N4207	6	15	@ 10	50 - 120	@ 10	0.15	@ 10	650	3.0	350	0.7	TO-18	2N2369A
2N3304	6	30	@ 10	30 - 120	@ 10	0.16	@ 10	500	3.5	300	0.5	TO-18	2N709
2N4208	12	20	@ 10	30 - 120	@ 10	0.15	@ 10	700	3.0	350	0.7	TO-18	2N2369A
2N2894A	12	20	@ 10	40 - 120	@ 30	0.19	@ 30	800	4.5	360	1.2	TO-18	2N2369A
2N3546	12	(30)	@ 50	30 - 120	@ 10	0.15	@ 10	700	6.0	360	1.2	TO-18	2N914
2N3012	12	(75)	@ 30	30 - 120	@ 30	0.20	@ 30	400	6.0	360	1.2	TO-18	2N2369A
2N2894	12	(90)	@ 30	30 - 150	@ 30	0.20	@ 30	400	6.0	360	1.2	TO-18	2N2369A
2N4209	15	20	@ 10	50 - 120	@ 10	0.18	@ 10	850	3.0	350	0.7	TO-18	2N2369A
2N5056	15	30	@ 10	30 - 100	@ 30	0.13	@ 30	600	4.5	360	1.2	TO-18	2N2369A
2N5057	15	30	@ 10	40 - 100	@ 30	0.19	@ 30	800	4.5	360	1.2	TO-18	2N2369A
2N5455	15	35	@ 10	30 - 120	@ 30	0.15	@ 30	450	(6.0)	340	1.0	TO-52	2N3013
2N3209	20	(90)	@ 30	30 - 120	@ 30	0.20	@ 30	400	5.0	360	1.2	TO-18	2N4137
2N5456	25	35	@ 10	30 - 120	@ 30	0.15	@ 30	450	(6.0)	340	1.0	TO-52	2N3014
2N5023	30	(90)	@ 500	40 - 100	@ 500	0.35	@ 500	200	25.0	1000	4.0	TO-39	2N3724
2N3467	40	(90)	@ 500	40 - 120	@ 500	0.50	@ 500	175	25.0	1000	5.0	TO-5	2N3725
2N5022	50	(90)	@ 500	25 - 100	@ 500	0.40	@ 500	170	25.0	1000	4.0	TO-39	2N3725
2N3468	50	(90)	@ 500	25 - 75	@ 500	0.60	@ 500	150	25.0	1000	5.0	TO-5	2N3725

PNP HIGH SPEED SATURATED SWITCHING TRANSISTORS (BY ASCENDING V_{CE0})

PLASTIC PACKAGE

TYPE	V_{CE0} (V_{CER})		t_s (t_{off})	h_{FE}		$V_{CE(sat)}$		f_T	C_{ob}	P_D		Package	NPN Complement
	VOLTS		ns @ I_C	h_{FE}	@ I_C	VOLTS @ I_C		MHz	pF	T_A	T_C		
	MIN	MAX	mA	MIN - MAX	mA	MAX	mA	MIN	MAX	25°C	W		
2N5140	5	(20)	@ 10	20 - 140	@ 10	0.20	@ 10	400	5.0	200	0.5	TO-106	2N5134
2N5228	5	(140)	@ 10	30	@ 10	0.40	@ 10	300	5.0	310		TO-92	2N5224
2N4257A	6	12	@ 10	30 - 120	@ 10	0.15	@ 10	500	3.0	200	0.5	TO-106	2N4274
2N4257	6	15	@ 10	30 - 120	@ 10	0.15	@ 10	500	3.0	200	0.5	TO-106	2N4274
MPSL07	6	15	@ 10	30 - 120	@ 10	0.15	@ 10	500	3.0	625	1.0	TO-92	MPS2369
MPS3639	6	(25)	@ 50	30 - 120	@ 10	0.16	@ 10	500	3.5	625	1.0	TO-92	MPS2369
2N3639	6	30	@ 10	30 - 120	@ 10	0.16	@ 10	500	3.5	200	0.5	TO-106	2N4274
2N5141	6	(150)	@ 30	25	@ 10	0.20	@ 10	300	7.0	200	0.5	TO-106	2N5134
2N4258A	12	15	@ 10	30 - 120	@ 10	0.15	@ 10	700	3.0	200	0.5	TO-106	2N4274
2N4258	12	20	@ 10	30 - 120	@ 10	0.15	@ 10	700	3.0	200	0.5	TO-106	2N4274
MPSL08	12	20	@ 10	30 - 120	@ 10	0.15	@ 10	700	3.0	625	1.0	TO-92	MPS2369
2N5055	12	20	@ 10	30 - 100	@ 30	0.19	@ 30	550	4.5	200	0.5	TO-106	2N4274
2N4313	12	20	@ 10	30 - 120	@ 30	0.19	@ 30	700	4.5	200	0.5	TO-106	2N4274
EN2894A	12	20	@ 10	40 - 120	@ 30	0.19	@ 30	800	4.5	200	0.5	TO-106	EN2369A
MPS3640	12	(35)	@ 50	30 - 120	@ 10	0.20	@ 10	500	3.5	625	1.0	TO-92	2N5772
2N3640	12	50	@ 10	30 - 120	@ 10	0.20	@ 10	500	3.5	200	0.5	TO-106	2N4274
2N4389	12	(90)	@ 50	30 - 180	@ 10	0.15	@ 10	400	6.0	200	0.5	TO-106	2N4274
2N5771	15	20	@ 10	50 - 120	@ 10	0.15	@ 10	850	3.0	625	1.0	TO-92	2N5772
2N5910	20	20	@ 10	30 - 120	@ 10	0.15	@ 10	700	3.0	200	0.5	TO-106	EN3014

Preferred devices in bold type