

TABLE 3 : NPN SWITCHING

Type	V _{CEO} V	Max I _C mA	Max V _{CE(sat)}			h _{FE}			Min f _T			Max. Switching Times			Complement
			at			at			at			at			
			V	I _C mA	I _B mA	Min	Max	I _C mA	MHz	I _C mA	t _{on} ns	t _{off} ns	I _C mA		
BCY65EP	60	100	0.35	10	0.25	120	460	2	125	10	150	800	10	BCY77P	
BCY59P	45	200	0.35	10	0.25	120	630	2	125	10	150	800	10	BCY79P	
ZTX360	40	1000	0.6	500	50	25	150	560	200	50	40	75	500	—	
MPS2222A§	40	800	1.0	500	50	100	300	150	300	20	35	285	150	MPS2907A	
2N4401	40	600	0.4	150	15	100	300	150	250	20	35	255	150	2N4403	
2N4400	40	600	0.4	150	15	50	150	150	200	20	35	255	150	2N4402	
2N3904§	40	200	0.2	10	1	100	300	10	300	10	70	250	10	2N3906	
2N3903	40	200	0.2	10	1	50	150	10	250	10	70	225	10	2N3905	
BCY58P	32	200	0.35	10	0.25	120	630	2	125	10	150	800	10	BCY78P	
MPS2222	30	800	1.6	500	50	100	300	150	250	20	35	285	150	MPS2907	
2N4123	30	200	0.3	50	5	50	150	2	250	10	37*	136*	10	2N4125	
2N4124	25	200	0.3	50	5	120	360	2	300	10	37*	136*	10	2N4126	
MPS706A	20	200	0.6	10	1	20	60	10	200	10	40	75	10	—	
MPS706	20	200	0.6	10	1	20	50*	10	200	10	40	75	10	—	
ZTX314	15	500	0.2	10	1	40	120	10	500	10	12	18	10	—	
ZTX313	15	500	0.24	10	1	40	120	10	500	10	12	18	10	—	
ZTX311	15	500	—	—	—	50	200	10	200	10	(note 1)		—		
MPS2369A	15	200	0.25	10	1	40	120	10	—	—	12	18	10	—	
MPS2369	15	200	0.25	10	1	40	120	10	—	—	12	18	10	—	
ZTX312	12	500	0.24	10	1	40	—	10	400	10	15	20	10	—	
ZTX310	12	500	0.6	10	1	20	—	10	200	10	(note 2)		—		

*Typical

Note 1: t_{stg} = 60ns.

Note 2: t_{stg} = 25ns.

§Also available with centre collector lead form option. See centre collector section for details.