

# ELECTRICAL CHARACTERISTICS

## N.P.N. MEDIUM POWER

Dice Type	$V_{CB0}$	$V_{CE0}$	$I_{CB0}$ Max. at $V_{CB}$		$h_{FE}$ @ $I_C$			$V_{CE}$	$V_{CE(sat)}$			$f_T$	$C_{obo}$	Geometry
	Min.	Min.	nA	V	Min.	Max.	mA	V	Max.	mA	$I_B$	Min.	Max.	
	V	V										MHz		
ZTX653	120	100	100	100	100	300	500	2	0.5	2000	200	140	—	G17
ZTX453	120	100	100	100	40	200	150	10	0.7	150	15	150	15	G4
ZTX652	100	80	100	80	100	300	500	2	0.5	2000	200	140	—	G17
ZTX452	100	80	100	80	40	150	150	10	0.7	150	15	150	15	G4
MPSA06	80	80	100	80	50	—	100	1	0.25	100	10	100	—	G4
ZTX651	80	60	100	60	100	300	500	2	0.5	2000	200	140	—	G17
ZTX451	80	60	100	60	50	150	150	10	0.35	150	15	150	15	G4
BFY50	80	35	500	80	30	—	150	10	0.1	10	1	60	12	G4
MPSA05	60	60	100	60	50	—	100	1	0.25	100	10	100	—	G4
ZTX650	60	45	100	45	100	300	500	2	0.5	2000	200	140	—	G17
ZTX450	60	45	100	45	100	300	150	10	0.25	150	15	150	15	G4
BFY51	60	30	500	60	40	—	150	10	0.15	10	1	50	12	G4
BC337A	50	45	100*	45	100	250	100	1	0.7	500	50	100	12	G4
BC337B	50	45	100*	45	160	400	100	1	0.7	500	50	100	12	G4
BC337C	50	45	100*	45	250	630	100	1	0.7	500	50	100	12	G4
BFY52	40	20	500	40	60	—	150	10	0.15	10	1	50	12	G4
BC338A	30	25	100*	25	100	250	100	1	0.7	500	50	100§	12§	G4
BC338B	30	25	100*	25	160	400	100	1	0.7	500	50	100§	12§	G4
BC338C	30	25	100*	25	250	630	100	1	0.7	500	50	100§	12§	G4

## P.N.P. MEDIUM POWER

Dice Type	$V_{CB0}$	$V_{CE0}$	$I_{CB0}$ Max. at $V_{CB}$		$h_{FE}$ @ $I_C$			$V_{CE}$	$V_{CE(sat)}$			$f_T$	$C_{obo}$	Geometry
	Min.	Min.	nA	V	Min.	Max.	mA	V	Max.	mA	$I_B$	Min.	Max.	
	V	V										MHz		
ZTX753	120	100	100	100	100	300	500	2	0.5	2000	200	100	—	G16
ZTX752	100	80	100	80	100	300	500	2	0.5	2000	200	100	—	G16
ZTX552	100	80	100	80	40	150	150	10	0.7	150	15	150	25	G6
MPSA56	80	80	100	80	50	—	100	1	0.25	100	10	100	—	G6
ZTX751	80	60	100	60	100	300	500	2	0.5	2000	200	100	—	G16
ZTX551	80	60	100	60	50	150	150	10	0.35	150	15	150	25	G6
MPSA55	60	60	100	60	50	—	100	1	0.25	100	10	100	—	G6
ZTX750	60	45	100	45	100	300	500	2	0.5	2000	200	100	—	G16
ZTX550	60	45	100	45	100	300	150	10	0.25	150	15	150	25	G6
BC327A	50	45	100*	45	100	250	100	1	0.7	500	50	100§	12§	G6
BC327B	50	45	100*	45	160	400	100	1	0.7	500	50	100§	12§	G6
BC327C	50	45	100*	45	250	630	100	1	0.7	500	50	100§	12§	G6
BC328A	30	25	100*	25	100	250	100	1	0.7	500	50	100§	12§	G6
BC328B	30	25	100*	25	160	400	100	1	0.7	500	50	100§	12§	G6
BC328C	30	25	100*	25	250	630	100	1	0.7	500	50	100§	12§	G6

$V_{CE(sat)}$ ,  $f_T$  and  $C_{obo}$  are parameters which are assembly dependent and figures quoted are those typically achieved on Ferranti assembly lines.

\* $I_{CES}$  at  $V_{CES}$  §Typical