

ELECTRICAL CHARACTERISTICS

(a) TRANSISTOR ELECTRICAL CHARACTERISTICS

P.N.P. SMALL SIGNAL TRANSISTORS

Dice Type	V_{CB0}	V_{CE0}	I_{CB0}		h_{FE}			V_{CE}	$V_{CE(sat)}$			f_T	C_{obo}	Geometry			
	Min.	Min.	Max.	at V_{CB}	@	I_C	Min.		Max.	mA	I_C				I_B	Min.	Max.
	V	V	nA	V	Min.	Max.	mA		V	Max.	mA				mA	MHz	pF
BC556A	80	65	15	30	110	220	2	5	0.3	10	0.5	150	4.5§	G2			
BC556B	80	65	15	30	200	450	2	5	0.3	10	0.5	150	4.5§	G2			
BCY77A	60	60	20*	50*	120	220	2	5	0.25	10	0.25	180§	7	G2			
BCY77B	60	60	20*	50*	180	310	2	5	0.25	10	0.25	180§	7	G2			
BCY77C	60	60	20*	50*	250	460	2	5	0.25	10	0.25	180§	7	G2			
BC212A	60	50	15	30	100	300	2	5	0.07	10	0.5	200	5§	G2			
BC212B	60	50	15	30	200	400	2	5	0.07	10	0.5	200	5	G2			
BC307A	50	45	100*	50*	120	220	2	5	0.2	10	0.5	130§	6	G2			
BC307B	50	45	100*	50*	180	460	2	5	0.2	10	0.5	130§	6	G2			
BC557A	50	45	15	30	110	220	2	5	0.3	10	0.5	150	4.5§	G2			
BC557B	50	45	15	30	200	450	2	5	0.3	10	0.5	150	4.5§	G2			
BCY70	50	40	500	50	100	—	1	1	0.25	10	1.0	250	6	G3			
BCY79A	45	45	20*	35*	120	220	2	5	0.25	10	0.25	180§	7	G2			
BCY79B	45	45	20*	35*	180	310	2	5	0.25	10	0.25	180§	7	G2			
BCY79C	45	45	20*	35*	250	460	2	5	0.25	10	0.25	180§	7	G2			
BCY71	45	45	500	45	100	—	1	1	0.25	10	1.0	250	6	G3			
2N3905	40	40	50†	30†	40	—	1	1	0.25	10	1.0	200	4.5	G3			
2N3906	40	40	50†	30†	80	—	1	1	0.25	10	1.0	250	4.5	G3			
BC213A	45	30	15	30	100	300	2	5	0.07	10	0.5	200	5§	G2			
BC213B	45	30	15	30	200	400	2	5	0.07	10	0.5	200	5§	G2			
BC213C	45	30	15	30	350	600	2	5	0.07	10	0.5	200	5§	G2			
BC214B	45	30	15	30	200	600	2	5	0.07	10	0.5	200	5§	G2			
BC214C	45	30	15	30	350	400	2	5	0.07	10	0.5	200	5§	G2			
BCY78A	32	32	20*	25*	120	220	2	5	0.25	10	0.25	180§	7	G2			
BCY78B	32	32	20*	25*	180	310	2	5	0.25	10	0.25	180§	7	G2			
BCY78C	32	32	20*	25*	250	460	2	5	0.25	10	0.25	180§	7	G2			
BCY78D	32	32	20*	25*	380	630	2	5	0.25	10	0.25	180§	7	G2			
BC558A	30	30	15	30	110	220	2	5	0.3	10	0.5	150§	4.5§	G2			
BC558B	30	30	15	30	200	450	2	5	0.3	10	0.5	150§	4.5§	G2			
BC558C	30	30	15	30	420	800	2	5	0.3	10	0.5	150§	4.5§	G2			
BC559B	30	30	15	30	200	450	2	5	0.3	10	0.5	300§	4.5§	G2			
BC559C	30	30	15	30	420	800	2	5	0.3	10	0.5	300§	4.5	G2			
BCY72	30	25	500	30	100	—	1	1	0.25	10	1.0	250	6	G3			
BC308A	30	25	100	20	120	220	2	5	0.2	10	0.5	130§	6	G2			
BC308B	30	25	100	20	180	460	2	5	0.2	10	0.5	130§	6	G2			
BC308C	30	25	100	20	380	800	2	5	0.2	10	0.5	130§	6	G2			
BC309B	25	20	100	20	180	460	2	5	0.2	10	0.5	130	6	G2			
BC309C	25	20	100	20	380	800	2	5	0.2	20	0.5	130	6	G2			

$V_{CE(sat)}$, 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} † I_{CEX} at V_{CE} §Typical