

SEMICONDUCTOR DICE

NPN SMALL SIGNAL TRANSISTORS

Dice type	V _{CB0}	V _{CE0}	I _{CB0}		h _{FE}			V _{CE(sat)}		Max.	f _T	C _{OB0}	Chip geometry	
	Min.	Min.	Max.	at V _{CB}	at I _C	V _{CE}	at I _C	at I _C	I _B	Min.	Max.			
	Volts	Volts	nA	Volts	Min.	Max.	mA	Volts	Volts	mA	mA	MHz	pF	
BC546A	80	65	15	30	110	220	2	5	0.25	10	0.5	225*	4.5	G1
BC546B	80	65	15	30	200	450	2	5	0.25	10	0.5	225*	4.5	G1
ZTX304	70	70	200	70	50	300	10	6	0.35	50	5	150	6.0	G1
BCY65EA	60†	60	10‡	60†	120	220	2	5	0.35	10	0.25	125	6.0	G1
BC182	60	50	15	50	100	480	2	5	0.25	10	0.5	150	5.0	G1
BC107A	50†	45	15‡	50†	120	220	2	5	0.20	10	0.5	150	6.0	G1
BC107B	50†	45	15‡	50†	180	460	2	5	0.20	10	0.5	150	6.0	G1
BC237	50†	45	15‡	50†	120	460	2	5	0.20	10	0.5	150	4.5	G1
BC547A	50	45	15	30	110	220	2	5	0.25	10	0.5	225*	4.5	G1
BC547B	50	45	15	30	200	450	2	5	0.25	10	0.5	225*	4.5	G1
BC550B	50	45	15	30	200	450	2	5	0.25	10	0.5	225*	4.5	G1
BC550C	50	45	15	30	420	800	2	5	0.25	10	0.5	225*	4.5	G1
BCY59A	45†	45	10‡	45†	120	220	2	5	0.35	10	0.25	125	6.0	G1
BCY59B	45†	45	10‡	45†	180	310	2	5	0.35	10	0.25	125	6.0	G1
BCY59C	45†	45	10‡	45†	250	460	2	5	0.35	10	0.25	125	6.0	G1
BCY59D	45†	45	10‡	45†	380	630	2	5	0.35	10	0.25	125	6.0	G1
2N930	45	45	10‡	45†	100	300	0.01	5	1.00	10	0.5	150*	8.0	G1
ZTX303	45	45	200	45	50	300	10	6	0.35	50	5	150	6.0	G1
BC183	45	30	15	30	100	850	2	5	0.25	10	0.5	150	5.0	G1
BC184	45	30	15	30	250	-	2	5	0.25	10	0.5	150	5.0	G1
ZTX302	35	35	200	35	100	300	10	6	0.25	50	5	150	6.0	G1
ZTX301	35	35	200	35	50	300	10	6	0.25	50	5	150	6.0	G1
BCY58A	32†	32	10‡	32†	120	220	2	5	0.35	10	0.25	125	6.0	G1
BCY58B	32†	32	10‡	32†	180	310	2	5	0.35	10	0.25	125	6.0	G1
BCY58C	32†	32	10‡	32†	250	460	2	5	0.35	10	0.25	125	6.0	G1
BCY58D	32†	32	10‡	32†	380	630	2	5	0.35	10	0.25	125	6.0	G1
BC548A	30	30	15	30	110	220	2	5	0.25	10	0.5	225*	4.5	G1
BC548B	30	30	15	30	200	450	2	5	0.25	10	0.5	225*	4.5	G1
BC548C	30	30	15	30	420	800	2	5	0.25	10	0.5	225*	4.5	G1
BC549B	30	30	15	30	200	450	2	5	0.25	10	0.5	225*	4.5	G1
BC549C	30	30	15	30	420	800	2	5	0.25	10	0.5	225*	4.5	G1
BC108A	30†	20	15‡	30†	120	220	2	5	0.20	10	0.5	150	6.0	G1
BC108B	30†	20	15‡	30†	180	460	2	5	0.20	10	0.5	150	6.0	G1
BC108C	30†	20	15‡	30†	380	800	2	5	0.20	10	0.5	150	6.0	G1
BC109B	30†	20	15‡	30†	180	460	2	5	0.20	10	0.5	150	6.0	G1
BC109C	30†	20	15‡	30†	380	800	2	5	0.20	10	0.5	150	6.0	G1
ZTX300	25	25	200	25	50	300	10	6	0.35	50	5	150	6.0	G1
BC238	30†	20	15‡	30†	120	800	2	5	0.20	10	0.5	150	4.5	G1
BC239	30†	20	15‡	30†	180	800	2	5	0.20	10	0.5	150	4.5	G1

†V_{CES} ‡I_{CES} *Typical values