

Silicon NPN Transistors

Type	Con- struction	P _c Max. (mW)	Typical f _T or *f _i † fab (MHz)	Absolute Max. Ratings				Typical h _{FE} at (mA) (or *h _{fe})	Max I _{CBO} at V _{CB}		Application	Base Ref.
				V _{CB0} (V)	V _{CE0} (V)	V _{EB0} (V)	I _C (mA)		μA	V		
FERRANTI (Continued)												
<i>Current Types (Continued)</i>												
ZT1489 } 2N1489 }	DJ	75W†	1††	60	40	10	6A	25 at 1.5A	25	60	High power switching	1
ZT1490 } 2N1490 }	DJ	75W†	1††	100	55	10	6A	25 at 1.5A	25	100		1
ZT1702 } BU218 }	DJ	75W†	1	60	40	4	5A	37 at 800	—	—	General purpose	1
2N3055 } 2N3442 }	PE	115W†	60	150	60	—	20A	70 at 500	—	—		1
	PE	115W†	0.7††	100	60	7	15A	20† at 4A	—	—	Power switching	1
	DJ	117W†	0.8	160	140	4	10A	45 at 3A	—	—	General purpose	1
			† Minimum value					† T _{case} = 25°C				

I.T.T.

Current Types

BF254	PE	220	10.7	—	20	—	30	—	—	—	Radio & TV R.F. amplifiers	49	
BF255	PE	220	10.7	—	20	—	30	—	—	—		49	
BF198	PE	250	35	—	30	—	25	—	—	—		49	
BF199	PE	250	35	—	25	—	25	—	—	—		49	
BF240	PE	255	10.7	—	40	—	25	—	—	—		49	
BF241	PE	255	10.7	—	40	—	25	—	—	—		49	
BSY79	PE	300	—	120	120	5	30	30 at 10	0.05	90	Numerical indicator driver	2	
BC170A	PE	300	100	20	20	5	200	70 at 1	0.1	15	Amplifiers	64	
BC170B	PE	300	100	20	20	5	200	150 at 1	0.1	15		64	
BC170C	PE	300	100	20	20	5	200	350 at 1	0.1	15		64	
BCY43	PE	300	100	40	20	5	200	120 at 1	0.025	30		2	
2N929	PE	300	150	45	45	5	200	80 at 0.01	0.01	45		2	
2N930	PE	300	150	45	45	5	200	200 at 0.01	0.01	45		2	
BC190A } BC174A }	PE	300	200	70	64	5	200	170 at 2	0.015	60		2	
BC190B } BC174B }	PE	300	200	70	64	5	200	290 at 2	0.015	60			64
BSY27	PE	300	200	20	15	5	100	80 at 10	0.025	9		Switching	2
BSY95A	PE	300	200	20	15	5	100	50 at 10	0.05	16			2
2N706	PE	300	200	25	—	5	—	20 at 10	0.05	15			2
2N706A	PE	300	200	25	15	5	50	40 at 1	0.5	15			2
2N753	PE	300	200	25	15	5	50	80 at 1	0.5	15	2		
BSY80	PE	300	210	25	18	5	100	200 at 10	0.1	20	2		
BC107A } BC171A }	PE	300	250	50	45	5	200	170 at 2	0.015	50	2		
BC237A } BC107B }													64
BC171B } BC237B }	PE	300	250	50	45	5	200	290 at 2	0.015	50	64		
BC108A } BC172A }	PE	300	250	30	25	5	200	170 at 2	0.015	30		64	
BC238A } BC108B }											64		
BC172B } BC238B }	PE	300	250	30	25	5	200	290 at 2	0.015	30	2		
BC108C } BC172C }	PE	300	250	30	25	5	200	500 at 2	0.015	30		64	
BC238C } BC109B }											64		
BC173B } BC239B }	PE	300	250	30	25	5	200	150 at 0.01	0.015	30	2		
BC109C } BC173C }	PE	300	250	30	25	5	200	270 at 0.01	0.015	30		64	
BC239C } BCY58A }											64		
BCY58B	PE	300	300	32	32	5	200	170 at 2	0.01	32	2		
	PE	300	300	32	32	5	200	250 at 2	0.01	32	2		

Continued