

Small-signal Transistors

Selection guide

LEADED DEVICES (continued)

NPN GENERAL PURPOSE MEDIUM-POWER TRANSISTORS

TYPE NUMBER	PACKAGE	V _{CEO} max. (V)	I _C max. (mA)	P _{tot} max. (mW)	h _{FE} min.	h _{FE} max.	f _T min. (MHz)	t _{off} max. (ns)	PNP COMPL.	PAGE
2N1613	TO-39	50	500	800	40	120	60	–	–	110
2N1711	TO-39	50	500	800	100	300	70	–	–	113
2N1893	TO-39	80	500	800	40	120	–	–	–	115
2N3019	TO-39	80	1000	800	100	300	100	–	–	146
BC140	TO-39	40	1000	3700	63	250	50	–	BC160	225
BC140-10	TO-39	40	1000	3700	63	160	50	–	BC160-10	225
BC140-16	TO-39	40	1000	3700	100	250	50	–	BC160-16	225
BC141	TO-39	60	1000	3700	63	250	50	–	BC161	225
BC141-10	TO-39	60	1000	3700	63	160	50	–	BC161-10	225
BC141-16	TO-39	60	1000	3700	100	250	50	–	BC161-16	225
BC368	TO-92	20	1000	830	85	375	40	–	BC369	249
BC368-16	TO-92	20	1000	830	100	250	40	–	BC369-16	249
BC368-25	TO-92	20	1000	830	160	>160	40	–	BC369-25	249
BC635	TO-92	45	1000	830	40	250	100	–	BC636	283
BC635-10	TO-92	45	1000	830	63	160	100	–	BC636-10	283
BC635-16	TO-92	45	1000	830	100	250	100	–	BC636-16	283
BC637	TO-92	60	1000	830	40	250	100	–	BC638	283
BC637-10	TO-92	60	1000	830	63	160	100	–	BC638-10	283
BC637-16	TO-92	60	1000	830	100	250	100	–	BC638-16	283
BC639	TO-92	80	1000	830	40	250	100	–	BC640	283
BC639-10	TO-92	80	1000	830	63	160	100	–	BC640-10	283
BC639-16	TO-92	80	1000	830	100	250	100	–	BC640-16	283
BFY50	TO-39	35	1000	800	30	>112	60	–	–	620
BFY51	TO-39	30	1000	800	40	>123	50	–	–	620
BFY52	TO-39	20	1000	800	60	>142	50	–	–	620
BSV64	TO-39	60	2000	5000	40	>40	100 typ.	1200	–	739
BSX45	TO-39	40	1000	6250	63	250	50	850	–	753
BSX45-10	TO-39	40	1000	6250	63	160	50	850	–	753
BSX45-16	TO-39	40	1000	6250	100	250	50	850	–	753
BSX46	TO-39	60	1000	6250	63	250	50	850	–	753
BSX46-10	TO-39	60	1000	6250	63	160	50	850	–	753
BSX46-16	TO-39	60	1000	6250	100	250	50	850	–	753
BSX47	TO-39	80	1000	6250	63	250	50	850	–	753
BSX47-10	TO-39	80	1000	6250	63	160	50	850	–	753
BSX47-16	TO-39	80	1000	6250	100	250	50	850	–	753