


SELECTION GUIDES BASED ON TECHNOLOGY AND PACKAGES

EPITAXIAL BASE

NPN and PNP types
 (perfect complementary pairs)
 Medium V_{CE0} range (22 to 100 V)
 Medium switching speed
 Medium f_T (2 to 20 MHz)
 High ruggedness
 Monolithic Darlington capability

EPITAXIAL BASE -TO-126

NPN	PNP	V_{CE0} (V)	V_{CE0} (V)	I_C (A)	P_{tot} (W)	h_{FE} min	I_C/V_{CE} A/V	$V_{CE sat}$ max (V)	I_C/I_B (A/mA)	PACKAGE
BD175	BD176	45	45	3	30	40	0.15/2	0.8	1/100	
BD177	BD178	60	60	3	30	40	0.15/2	0.8	1/100	
BD179	BD180	80	80	3	30	40	0.15/2	0.8	1/100	
BD233	BD234	45	45	2	25	40	0.15/2	0.6	1/100	
BD235	BD236	60	60	2	25	40	0.15/2	0.6	1/100	
BD237	BD238	100	80	2	25	40	0.15/2	0.6	1/100	
BD433	BD434	22	22	4	36	50	2/1	0.5	2/200	
BD435	BD436	32	32	4	36	50	2/1	0.5	2/200	
BD437	BD438	45	45	4	36	40	2/1	0.6	2/200	
BD439	BD440	60	60	4	36	25	2/1	0.8	2/200	
BD441	BD442	80	80	4	36	15	2/1	0.8	2/200	
* BD675A	BD676A	45	45	4	40	750	2/3	2.8	2/8	
* BD677	BD678	60	60	4	40	750	1.5/3	2.5	1.5/6	
* BD677A	BD678A	60	60	4	40	750	2/3	2.8	2/8	
* BD679	BD680	80	80	4	40	750	1.5/3	2.5	1.5/6	
* BD679A	BD680A	80	80	4	40	750	2/3	2.8	2/8	
* BD681	BD682	100	100	4	40	750	1.5/3	2.5	1.5/6	
* MJE800	MJE700	60	60	4	40	750	1.5/3	2.5	1.5/30	
* MJE801	MJE701	60	60	4	40	750	2/3	2.8	2/40	
* MJE802	MJE702	80	80	4	40	750	1.5/3	2.5	1.5/30	
* MJE803	MJE703	80	80	4	40	750	2/3	2.8	2/40	
2N5190	2N5193	40	40	4	40	25	1.5/2	0.6	1.5/150	
2N5191	2N5194	60	60	4	40	25	1.5/2	0.6	1.5/150	
2N5192	2N5195	80	80	4	40	20	1.5/2	0.6	1.5/150	
* 2N6037	2N6034	40	40	4	40	750	2/3	2	2/8	
* 2N6038	2N6035	60	60	4	40	750	2/3	2	2/8	
* 2N6039	2N6036	80	80	4	40	750	2/3	2	2/8	

* Darlington types