

Silicon Power – Plastic

This Selector Guide is to help the designer choose the best silicon power transistor for his new equipment. It is a comprehensive listing of the industry's most complete line of PNP and NPN silicon power transistors.

Motorola has the production capability and flexibility to supply devices especially tailored to specific application needs. Where suitable power transistors cannot be selected from this guide, contact your nearest Motorola sales representative or distributor.

NPN	PNP	V _{CEO} Volts	H _{FE} @	I _C Amp	V _{CE (sat)} @ I _C Volts Amp	F _T MHz	P _D Watts	Case	
I_C = 0.1 A.									
BF457		160	25/-	0.03	1.0	0.03	90	12.5	77
BF458		250	25/-	0.03	1.0	0.03	90	12.5	77
BF459		300	25/-	0.03	1.0	0.03	90	12.5	77
I_C = 0.5 A.									
BD157		250	30/240	0.05	0.25	0.05	-	20	77
BD158		300	30/240	0.05	0.25	0.05	-	20	77
MJE340	MJE350	300	30/240	0.05	0.25	0.05	-	20	77
MJE340K		300	30/240	0.05	0.25	0.05	-	30	199
BD159		350	30/240	0.05	0.25	0.05	-	20	77
I_C = 1.0 A.									
MJE29	MJE30	40	40/-	0.2	0.7	1.0	3.0	30	77R
MJE29A	MJE30A	60	40/-	0.2	0.7	1.0	3.0	30	77R
MJE29B	MJE30B	80	40/-	0.2	0.7	1.0	3.0	30	77R
MJE29C	MJE30C	100	40/-	0.2	0.7	1.0	3.0	30	77R
I_C = 1.5 A.									
BD135	BD136	45	40/250	0.15	0.5	0.5	50	10	77
BD135-6	BD136-6	45	40/100	0.15	0.5	0.5	50	10	77
BD135-10	BD136-10	45	63/160	0.15	0.5	0.5	50	10	77
BD135-16	BD136-16	45	100/250	0.15	0.5	0.5	50	10	77
BD165	BD166	45	15/-	0.5	0.5	0.5	6	20	77
BD137	BD138	60	40/160	0.15	0.5	0.5	50	10	77
BD137-6	BD138-6	60	40/100	0.15	0.5	0.5	50	10	77
BD137-10	BD138-10	60	63/160	0.15	0.5	0.5	50	10	77
BD167	BD168	60	15/-	0.5	0.5	0.5	50	20	77
BD139	BD140	80	40/160	0.15	0.5	0.5	50	10	77
BD169	BD170	80	15/-	0.5	0.5	0.5	6	20	77
BD139-6	BD140-6	100	40/100	0.15	0.5	0.5	50	10	77
BD139-10	BD140-10	100	63/160	0.15	0.5	0.5	50	10	77
MJE47		250	30/250	0.3	1.0	1.0	5	50	199
MJE48		300	30/250	0.3	1.0	1.0	5	50	199
MJE49		350	30/250	0.3	1.0	1.0	5	50	199
I_C = 2.0 A.									
BD233	BD234	45	25/-	1.0	0.6	1.0	3	25	77
2N6408	2N6406	60	50/250	0.1	2.0	2.0	50	12.5	77R
BD235	BD236	60	25/-	1.0	0.6	1.0	3	25	77
2N6409	2N6407	80	50/250	0.1	2.0	2.0	50	12.5	77R
BD237	BD238	80	25/-	1.0	0.6	1.0	3	25	77