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## BIPOLAR TRANSISTORS

Jameco Part#	Manufacturer	Manufacturer Part #	Package	Transistor Polarity	Collector Emitter Voltage (VCEO)	Collector Base Voltage (VCBO)	Minimum DC Current Gain hFE@Collector Current Ic	Price 1
<a href="#">2245706</a>	Major Brands	2N1893	TO-39-3	NPN	80V	140V	40 @ .15A	\$ 1.49
<a href="#">2245765</a>	New Jersey Semiconductor	2N2218	TO-39-3	NPN	40V	75V	40 @ .15A	\$ 1.49
<a href="#">2245781</a>	New Jersey Semiconductor	2N2218A	TO-39-3	NPN	40V	75V	40 @ .15A	\$ 1.95
<a href="#">38228</a>	Major Brands	2N2219A	TO-39-3	NPN	40V	75V	100 @ .15A	\$ 0.99
<a href="#">2245773</a>	New Jersey Semiconductor	2N2221	TO-18-3	NPN	50V	75V	35 @ .01A	\$ 1.95
<a href="#">38236</a>	Major Brands	2N2222A	TO-18-3	NPN	40V	75V	100 @ .15A	\$ 1.29
<a href="#">2245685</a>	Major Brands	2N2369	TO-18-3	NPN	15V	40V	40 @ .01A	\$ 1.49
<a href="#">2286039</a>	Major Brands	2N2833	TO-3	PNP	-75V	-120	25 @ 10mA	\$ 4.95
<a href="#">2245677</a>	Major Brands	2N2904A	TO-39-3	PNP	60V	60V	120 @ .15A	\$ 1.09
<a href="#">194378</a>	Major Brands	2N2905A	TO-39-3	PNP	60V	60V	100 @ .15A	\$ 1.09
<a href="#">38279</a>	Major Brands	2N2907A	TO-18-3	PNP	60V	60V	100 @ .15A	\$ 1.09
<a href="#">2245749</a>	New Jersey Semiconductor	2N3019	TO-5-3	NPN	80V	140V	50 @ .5A	\$ 1.95
<a href="#">38295</a>	Major Brands	2N3053	TO-39-3	NPN	40V	60V	25 @ .15A	\$ 1.09
<a href="#">38308</a>	Major Brands	2N3055	TO-3	NPN	60V	100V	15 @ 10A	\$ 1.48
<a href="#">211406</a>	Major Brands	2N3055A	TO-3	NPN	60V	100V	20 @ 4A	\$ 2.49
<a href="#">2245731</a>	New Jersey Semiconductor	2N3250	TO-18-3	PNP	40V	50V	50 @ .01A	\$ 1.75
<a href="#">2245722</a>	Major Brands	2N3251	TO-18-3	PNP	40V	50V	80 @ .001A	\$ 1.75
<a href="#">2245790</a>	New Jersey Semiconductor	2N3496	TO-18-3	PNP	80V	80V	40 @ .01A	\$ 1.95
<a href="#">2245714</a>	Major Brands	2N3700	TO-18-3	NPN	80V	140V	50 @ .5A	\$ 1.49
<a href="#">783412</a>	Major Brands	2N3704	TO-92-3	NPN	30V	50V	30@.800mA	\$ 0.59
<a href="#">209242</a>	Major Brands	2N3771	TO-3	NPN	40V	50V	15 @ 15A	\$ 2.25
<a href="#">2277263</a>	On Semiconductor	2N3859A	TO-92-3	NPN	60V	60V	100 @ 1mA	\$ 0.25
<a href="#">38359</a>	Major Brands	2N3904BU	TO-92-3	NPN	40V	60V	100 @ .01A	\$ 0.25
<a href="#">178597</a>	Fairchild Semiconductor	2N3904TRA	TO-92-3	NPN	40V	60V	100 @ .01A	\$ 0.25
<a href="#">62287</a>	Major Brands	2N3905	TO-92-3	PNP	40V	40V	50 @ 10mA	\$ 0.55
<a href="#">178618</a>	Major Brands	2N3906BU	TO-92-3	PNP	40V	40V	100 @ .01A	\$ 0.25
<a href="#">38375</a>	Major Brands	2N3906TRA	TO-92-3	PNP	40V	40V	100 @ .01A	\$ 0.25
<a href="#">2245757</a>	New Jersey Semiconductor	2N4036	TO-39-3	PNP	65V	90V	40 @ .15A	\$ 2.49
<a href="#">2245693</a>	Major Brands	2N4037	TO-39-3	PNP	40V	60V	50 @ .15A	\$ 1.95
<a href="#">2228703</a>	Major Brands	2N4078	TO-3	PNP	32V	32V	75 @ 1A	\$ 1.59
<a href="#">214623</a>	Major Brands	2N4126	TO-92-3	PNP	25V	25V	360 @ .20A	\$ 0.39
<a href="#">253411</a>	Major Brands	2N4400	TO-92	NPN	40	60	150 @ 600mA	\$ 0.35
<a href="#">38421</a>	Major Brands	2N4401T/R	TO-92-3	NPN	40V	60V	100 @ .15A	\$ 0.25
<a href="#">38447</a>	Major Brands	2N4403	TO-92-3	PNP	40V	40V	100 @ .15A	\$ 0.25
<a href="#">2285063</a>	Major Brands	2N4914	TO-220	NPN	60V	60V	100 @2.5A	\$ 3.95
<a href="#">211490</a>	Major Brands	2N4923	TO-126-3	NPN	80V	80V	80 @ 1A	\$ 1.39
<a href="#">62316</a>	Major Brands	2N5088	TO-92-3	NPN	30V	35V	300 @ .05A	\$ 0.39
<a href="#">140373</a>	Major Brands	2N5179	TO-72-4	NPN	12V	20V	25 @ 0.003A	\$ 3.95
<a href="#">2285327</a>	Major Brands	2N5302	TO-3	NPN	60V	60V	15 @ 15A	\$ 2.95
<a href="#">210649</a>	Major Brands	2N5401	TO-92-3	PNP	150V	160V	60 @ .01A	\$ 0.25
<a href="#">209277</a>	Major Brands	2N5657	TO-126-3	NPN	350V	375V	30 @ .1A	\$ 0.49
<a href="#">2280615</a>	National Semiconductor	2N5772	TO-92-3	NPN	15V	40V	30 @ 30mA	\$ 0.25



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<a href="#">2277279</a>	On Semiconductor	2N5830	TO-92-3	PNP	100V	120V	80 @10mA	\$ 0.25
<a href="#">2277287</a>	On Semiconductor	2N5831	TO-92-3	NPN	140V	160V	80 @ 10mA	\$ 1.49
<a href="#">2280119</a>	Motorola	2N6287	TO-3	PNP	100V	100V	750 @ 10A @ 3V	\$ 3.95
<a href="#">2286727</a>	SGS Thomson	2N6489	TO-220-3	PNP	40V	50V	25 @ 1A	\$ 1.75
<a href="#">194618</a>	Major Brands	2N6547	TO-3	NPN	400V	850	12 @ 5A	\$ 4.95
<a href="#">2286047</a>	Toshiba	2SA1302-0	TO-92-3	PNP	-200V	-200V	55 @ 1mA	\$ 3.95
<a href="#">2277295</a>	On Semiconductor	2SA950	TO-92-3	PNP	25V	35	100 @ 100mA	\$ 0.69
<a href="#">2277183</a>	On Semiconductor	2SC1854	TO-92-3	NPN	30V	50V	300 @ 50mA	\$ 1.49
<a href="#">2277623</a>	Micro Electronics	BC174	TO-92-3	NPN	65V	80V	120 @ 2mA	\$ 0.79
<a href="#">2277631</a>	Micro Electronics	BC174B	TO-92-3	NPN	65V	80V	180 @ 2mA	\$ 0.25
<a href="#">2277543</a>	Motorola	BC182AP	TO-92-3	NPN	50V	60V	120 @ 3mA	\$ 0.25
<a href="#">2277551</a>	Motorola	BC184BP	TO-92-3	NPN	30V	45V	240 @2mA	\$ 0.69
<a href="#">2277639</a>	Micro Electronics	BC207	TO-92-3	NPN	45V	50V	110 @ 2mA	\$ 0.99
<a href="#">2277647</a>	Micro Electronics	BC207B	TO-92-3	NPN	45V	50V	150 @2mA	\$ 1.25
<a href="#">2277191</a>	On Semiconductor	BC212A	TO-92-3	PNP	50V	60V	100 @ 2mA	\$ 0.49
<a href="#">2277559</a>	Motorola	BC214BP	TO-92-3	NPN	45V	60V	60 @ 2mA	\$ 0.25
<a href="#">2277655</a>	Micro Electronics	BC223A	TO-92-3	NPN	40V	40V	100 @50mA	\$ 0.25
<a href="#">2277199</a>	On Semiconductor	BC237A	TO-92-3	NPN	50V	.83V	120 @ 2mA	\$ 0.25
<a href="#">2277207</a>	On Semiconductor	BC237C	TO-92-3	NPN	50V	.83V	380 @2mA	\$ 0.25
<a href="#">2277215</a>	On Semiconductor	BC238A	TO-92-3	NPN	30V	1.05V	120 @2mA	\$ 0.25
<a href="#">2277223</a>	On Semiconductor	BC239	TO-92-3	NPN	25V	5V	120 @ 2mA	\$ 0.25
<a href="#">2277231</a>	On Semiconductor	BC239B	TO-92-3	NPN	30V	5V	180 @2mA	\$ 0.25
<a href="#">2277303</a>	On Semiconductor	BC308B	TO-92-3	PNP	25V	30V	180 @ 2mA	\$ 0.25
<a href="#">2277311</a>	On Semiconductor	BC308C	TO-92-3	PNP	25V	30V	380 @ 2mA	\$ 0.25
<a href="#">2277319</a>	On Semiconductor	BC309A	TO-92-3	PNP	25V	30v	120 @ 2mA	\$ 0.25
<a href="#">1215986</a>	Fairchild Semiconductor	BC327	TO-92-3	PNP	45V	50v	100 @ .10A	\$ 0.25
<a href="#">254810</a>	Major Brands	BC337	TO-92-3	NPN	45V	50V	250 @ 800mA	\$ 0.25
<a href="#">2159710</a>	Motorola	BC416	TO-92-3	PNP	45V	50	350 @ .10A	\$ 0.25
<a href="#">2277503</a>	On Semiconductor	BC546B	TO-92-3	NPN	65V	80V	110 @ 2mA	\$ 0.25
<a href="#">2277359</a>	On Semiconductor	BC547A	TO-92-3	NPN	45V	50V	110 @2mA	\$ 0.25
<a href="#">254801</a>	Major Brands	BC547B	TO-92-3	NPN	45V	50V	330 @ .002A	\$ 0.22
<a href="#">254799</a>	Major Brands	BC547C	TO-92-3	NPN	45V	50V	600 @ .002A	\$ 0.25
<a href="#">254781</a>	Major Brands	BC548B	TO-92-3	NPN	30V	30V	110 @ .002A	\$ 0.25
<a href="#">2169521</a>	On Semiconductor	BC557C	TO-92-3	PNP	-45V	-50V	800 @ -2A	\$ 0.25
<a href="#">2277367</a>	On Semiconductor	BC640-016	TO-92-3	PNP	80V	80V	100 @ 150mA	\$ 0.29
<a href="#">2290727</a>	Major Brands	BC807-25-TP	SOT-23-3	PNP	45V	50V	160 @ .1A @ 1V	\$ 0.25
<a href="#">2132293</a>	Motorola	BD158	TO-126-3	NPN	300V	325V	30 @ .05A	\$ 0.49
<a href="#">2288375</a>	Bourns	BD242	TO-220-3	PNP	-45V	-45	20 @ 500mA	\$ 0.49
<a href="#">2288383</a>	Bourns	BD242A	TO-220-3	PNP	-60V	-70	20 @ 500mA	\$ 0.49
<a href="#">2281295</a>	Jameco Valuepro	BD437	TO-220-3	NPN	45V	45V	30 @ 10mA	\$ 0.49
<a href="#">2287847</a>	Bourns	BD543B-S	TO-220-3	NPN	80V	80V	20 @ 500mA	\$ 0.69
<a href="#">2277663</a>	Micro Electronics	BF240	TO-92-3	NPN	40V	40V	65 @1 mA	\$ 0.25





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<a href="#">2280127</a>	STMicroelectronics	BUV48Q	TO-218-3	NPN	450V	850V	8 @8A	\$ 3.95
<a href="#">2289055</a>	Major Brands	CA3146E	PDIP-14	NPN	30V	40V	100 @ 1mA	\$ 4.95
<a href="#">903710</a>	Fairchild Semiconductor	FJA4313OTU	TO-3	NPN	250V	250V	35 @ 7A	\$ 1.49
<a href="#">2277151</a>	Fairchild Semiconductor	KSA1013OBU	TO-92-3	PNP	-160	-160	60 @ -200mA	\$ 0.35
<a href="#">211502</a>	Major Brands	MJ2955	TO-3	PNP	60V	100V	20 @ 4A	\$ 1.95
<a href="#">2285007</a>	Motorola	MJE1123	TO-220-3	PNP	40VDC	50VDC	225@4A	\$ 0.49
<a href="#">2285111</a>	Motorola	MJE15301	TO-220-3	PNP	150VDC	150VDC	40@8A	\$ 1.49
<a href="#">2287703</a>	On Semiconductor	MJE170	TO-225-3	PNP	60VDC	40VDC	250@3A	\$ 0.49
<a href="#">25831</a>	Major Brands	MJE2955T	TO-220-3	PNP	60V	70V	20 @ 4A	\$ 0.79
<a href="#">25857</a>	Major Brands	MJE3055T	TO-220-3	NPN	60V	70V	20 @ 4A	\$ 0.79
<a href="#">2281319</a>	Motorola	MJE8502	TO-220-3	NPN	700V	700V	750 @1.5A	\$ 1.95
<a href="#">26446</a>	Major Brands	MPQ2222	DIP-14	NPN	30	60	300@500mA	\$ 3.95
<a href="#">2288815</a>	Motorola	MPQ2369	TO-116	NPN	15V	40V	20 @ 100mA	\$ 1.95
<a href="#">26454</a>	Major Brands	MPQ2907	DIP-14	PNP	40V	60V	100 @ .15A	\$ 3.95
<a href="#">210673</a>	Major Brands	MPS2222A	TO-92-3	NPN	40V	75V	40 @ .50A	\$ 0.25
<a href="#">211342</a>	Major Brands	MPS2907A	TO-92-3	PNP	60V	60V	100 @ .15A	\$ 0.25
<a href="#">2277255</a>	On Semiconductor	MPS2924	TO-92-3	NPN	25V	25V	150@ 2mA	\$ 0.25
<a href="#">2277335</a>	On Semiconductor	MPS3393	TO-92-3	PNP	25V	25V	90 @ 2mA	\$ 0.39
<a href="#">2277375</a>	On Semiconductor	MPS6513	TO-92-3	NPN	30V	40V	90 @ 2mA	\$ 0.25
<a href="#">1945031</a>	Fairchild Semiconductor	MPS6515	TO-92-3	NPN	25V	40V	250 @ .002A	\$ 0.25
<a href="#">2277383</a>	On Semiconductor	MPS6520	TO-92-3	NPN	25V	40V	100 @100mA	\$ 0.45
<a href="#">2277391</a>	On Semiconductor	MPS6565	TO-92-3	NPN	45V	60V	160@ 10mA	\$ 0.19
<a href="#">26462</a>	Major Brands	MPSA06	TO-92-3	NPN	80V	80V	100,000 @ .01A	\$ 0.29
<a href="#">800690</a>	NXP Semiconductors	MPSA12	TO-92-3	NPN	20V	20V	20000 @ 10mA	\$ 0.25
<a href="#">210681</a>	Major Brands	MPSA18	TO-92-3	NPN	45V	45V	500 @ .001A	\$ 0.49
<a href="#">178546</a>	Major Brands	MPSA42	TO-92-3	NPN	300V	300v	25 @ 300mA	\$ 0.29
<a href="#">2277343</a>	On Semiconductor	MPSL51	TO-92-3	PNP	100V	100V	40 @50mA	\$ 0.25
<a href="#">260558</a>	NTE Electronics	NTE123AP	TO-92-3	NPN	40V	60V	500 @ 600mA	\$ 0.89
<a href="#">28628</a>	Major Brands	PN2222	TO-92-3	NPN	30V	60V	100 @ .15A	\$ 0.25
<a href="#">178511</a>	Major Brands	PN2222ABU	TO-92-3	NPN	40V	75V	100 @ .15A	\$ 0.39
<a href="#">787536</a>	Fairchild Semiconductor	PN2222ATRA	TO-92-3	NPN	40V	75V	300 @ .15A	\$ 0.39
<a href="#">2290207</a>	Major Brands	PN2243A	TO-92-3	NPN	80V	120	120 @ 15mA	\$ 0.89
<a href="#">178520</a>	Major Brands	PN2907ABU	TO-92-3	PNP	60V	60V	100 @ .15A	\$ 0.25
<a href="#">2290591</a>	Major Brands	PN2907ATA	TO-92-3	PNP	60V	60V	100 @ .15A @ 10V	\$ 0.25
<a href="#">28644</a>	Major Brands	PN2907BU	TO-92-3	PNP	40V	60V	100 @ .15A	\$ 0.25
<a href="#">787608</a>	Major Brands	PN3565	TO-92-3	NPN	25V	30V	150 @ .001A	\$ 0.89
<a href="#">787616</a>	Major Brands	PN3568	TO-92-3	NPN	60V	80V	40 @ .03A	\$ 0.99
<a href="#">2277167</a>	Fairchild Semiconductor	PN4258	TO-92-3	PNP	12V	12V	30 @ 10mA	\$ 0.99
<a href="#">1944951</a>	Micro Electronics	PN4355	TO-92-3	PNP	60V	60V	5 @ .05A	\$ 0.39
<a href="#">2277351</a>	On Semiconductor	PN5130	TO-92-3	NPN	12V	30V	250@ 80mA	\$ 0.25
<a href="#">2285671</a>	Major Brands	RCS258	TO-3	NPN	60V	100V	15 @ 20A	\$ 4.95
<a href="#">2290735</a>	Major Brands	STA401A	SIP 10	NPN	60V	60V	1000 @ 3A @ 4V	\$ 3.39



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<a href="#">297772</a>	Motorola	TIP101	TO-220-3	NPN	80V	80V	1000 @ 3A	\$ 0.69
<a href="#">1097220</a>	Major Brands	TIP29A	TO-220-3	NPN	60V	60V	15 @ 1A	\$ 0.69
<a href="#">2290583</a>	Major Brands	TIP3055	TO-218-3	NPN	60V	100V	20 @ 4A @ 4V	\$ 1.65
<a href="#">211385</a>	Major Brands	TIP3055G	TO-247-3	NPN	60V	100V	5 @ .001A	\$ 1.49
<a href="#">33030</a>	Major Brands	TIP30A	TO-220-3	PNP	60V	60V	15 @ 1A	\$ 0.99
<a href="#">179346</a>	STMicroelectronics	TIP30C	TO-220-3	PNP	100V	100V	15 @ 1A @ 4V	\$ 0.59
<a href="#">33048</a>	Major Brands	TIP31A	TO-220-3	NPN	60V	60V	10 @ 3A	\$ 0.59
<a href="#">179354</a>	Fairchild Semiconductor	TIP31C	TO-220-3	NPN	100V	100V	10 @ 3A	\$ 0.59
<a href="#">33064</a>	Major Brands	TIP32A	TO-220-3	PNP	60V	60V	10 @ 3A	\$ 0.49
<a href="#">880976</a>	NXP Semiconductors	TIP32B	TO-220-3	PNP	80V	80V	10 @ 3A	\$ 0.99
<a href="#">181841</a>	Major Brands	TIP32C	TO-220-3	PNP	100V	100V	10 @ 3A	\$ 0.55
<a href="#">890568</a>	Major Brands	TIP35CG(TO-218)	TO-247-3	NPN	100V	100V	25 @ 1.5A	\$ 2.25
<a href="#">2284111</a>	Major Brands	TIP35CG(TO-247)	TO-247-3	NPN	100V	100V	15 @ 15A @ 4V	\$ 1.59
<a href="#">890592</a>	STMicroelectronics	TIP36C	TO-247-3	PNP	100V	100V	25 @ 1.5A	\$ 1.95
<a href="#">787991</a>	National Semiconductor	TIP41	TO-220-3	NPN	40V	40V	15 @ 3A	\$ 0.99
<a href="#">179371</a>	Major Brands	TIP41C	TO-220-3	NPN	100V	100V	15 @ 3A	\$ 0.59
<a href="#">139580</a>	Major Brands	TIP42C	TO-220-3	PNP	100V	100V	15 @ 3A	\$ 0.79
<a href="#">288631</a>	Major Brands	TIP48	TO-220-3	NPN	300V	400V	30 @ .3A	\$ 0.69
<a href="#">1098206</a>	Fairchild Semiconductor	TIP50	TO-220-3	NPN	400V	500V	30 @ 300mA	\$ 0.69
<a href="#">2277583</a>	Diodes Zetex	ZTX450	TO-92-3	NPN	45V	60V	100 @ 150mA	\$ 0.59