

Miniature Transistors

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			H _{FE}				V _{CE(sat)}		f _T	N.F.	
			P _d (mW)	I _C (mA)	V _{CEO} (V)	min	max	I _C (mA)	V _{CE} (V)	max (V)	I _C (mA)	min (MHz)	max (dB)	f (Hz)
BC146	N	MT-42	50	50	20	80	550	0.2	0.5	-	-	150+	1.5+	30-15K
BC146R	N	MT-42	50	50	20	80	200	0.2	0.5	-	-	80+	1.5+	30-15K
BC146Y	N	MT-42	50	50	20	140	350	0.2	0.5	-	-	110+	4	30-15K
BC146G	N	MT-42	50	50	20	280	550	0.2	0.5	-	-	150+	1.5+	30-15K
BC200	P	MT-42	50	50	20	50	400	0.2	0.5	-	-	150+	1.5+	30-15K
BC200R	P	MT-42	50	50	20	50	105	0.2	0.5	-	-	80+	1.5+	30-15K
BC200Y	P	MT-42	50	50	20	85	200	0.2	0.5	-	-	110+	1.5+	30-15K
BC200G	P	MT-42	50	50	20	165	400	0.2	0.5	-	-	150+	1.5+	30-15K
BCW83	N	MT-42	225	200	30	100	850 #	2	5	0.25	10	150+	10	1K
MT4102	N	MT-42	50	50	20	200	600	1	5	0.25	10	60	3	1K
MT4103	N	MT-42	50	50	40	100	600	1	5	0.25	10	60	4	1K
MT4104	N	MT-42	50	50	25	50	500	1	5	0.3	1	40	4	1K

HFE groupings available + typical value

Darlington Transistors

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			H _{FE}				V _{CE(sat)}		f _T	Cob	N.F.
			P _d (mW)	I _C (mA)	V _{CEO} V _{CES} *	min	max	I _C (mA)	V _{CE} (V)	max (V)	I _C (mA)	min (MHz)	max (pF)	@f=1KHz max (dB)
BC516	P	TO-92F	625	400	30	30K	-	20	2	1	100	250+	4.5+	15#
BC517	N	TO-92F	625	400	30	30K	-	20	2	1	100	250+	3.5	15#
MPSA12	N	TO-92A	625	500	20	20K	-	10	5	1	10	-	-	-
MPSA13	N	TO-92A	500	300	30*	5K	-	10	5	1.5	100	125	3+	2+
MPSA14	N	TO-92A	500	300	30*	10K	-	10	5	1.5	100	125	3+	2+
MPSA63	P	TO-92A	625	300	30	10K	-	100	5	1.5	100	125	-	-
MPSA65	P	TO-92A	500	300	30*	50K	-	10	5	1.5	100	125	4+	2+
MPSA66	P	TO-92A	500	300	30*	75K	-	10	5	1.5	100	125	4+	2+
MPSD04	N	TO-92A	625	300	25*	1K	-	10	5	1	100	100	-	-
MPSD54	P	TO-92A	625	300	25*	1K	-	10	5	1	100	100	-	-
2N5305	N	TO-92B	600	300	25	2K	20K	2	5	1.4	200	60	10	-
2N5306	N	TO-92B	600	300	40	7K	70K	2	5	1.4	200	60	10	-
2N5307	N	TO-92B	600	300	40	2K	20K	2	5	1.4	200	60	10	-
2N5308	N	TO-92B	600	300	40	7K	70K	2	5	1.4	200	60	10	-

+ typical value # f=WB