

FAIRCHILD Regulators, Transistors and JFETs



Products may be RoHS compliant. Check mouser.com for RoHS status.

ANTI-SATURATION TRANSISTORS

◆ Surface Mount Device
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	V _{CEO} (V)	I _C Max. (A)	h _{FE}		Price Each			
Mfr.	Mfr. Part No.				Max. (mA)	@ I _C (A)	1	25	100	250
NPN										
512	KSC5305DTU	TO-220	400	5.0	22	0.8	.64	.563	.49	.365
512	KSC5338DTU	TO-220	450	5.0	25	0.8	.89	.794	.695	.601
◆	512-KSC5502TDM	TO-252	600	2.0	40	0.2	.81	.624	.551	.477
512	KSC5603DTU	TO-220	800	3.0	35	0.4	.67	.609	.558	.515

GENERAL POWER TRANSISTORS



◆ Surface Mount Device
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	V _{CEO} (V)	I _C Max. (A)	h _{FE}		Price Each			
Mfr.	Mfr. Part No.				Max. (mA)	@ I _C (A)	1	25	100	250
NPN										
◆	512-KSH200TF	TO-252	25	5.0	180	2	.45	.39	.299	.221
512	MJE200STU	TO-126	25	5.0	180	2	.26	.228	.199	.152
512	KSD882YS	TO-126	30	3.0	320	1	.31	.266	.198	.152
512	KSD882YSTU	TO-126	30	3.0	320	1	.31	.266	.198	.152
512	BD1356STU	TO-126	45	1.5	100	0.15	.30	.266	.24	.152
512	KSD2012GTU	TO-220F	60	3.0	320	0.5	.53	.405	.331	.26
512	KSD8800	TO-220	60	3.0	120	0.5	.35	.269	.198	.192
512	MJE181STU	TO-126	60	3.0	250	0.1	.26	.228	.209	.152
512	MJE3055TJU	TO-220	60	10.0	100	4	.46	.39	.295	.217
512	BD1396STU	TO-126	80	1.5	100	0.15	.30	.266	.24	.152
512	BD13916STU	TO-126	80	1.5	250	0.15	.38	.33	.24	.18
512	MJE182STU	TO-126	80	3.0	250	0.1	.26	.228	.209	.152
512	KSH29CTF	TO-251	100	1.0	75	1	.55	.47	.373	.271
512	TIP29C	TO-220	100	1.0	75	1	.55	.404	.346	.30
512	BD239C	TO-220	100	2.0	----	0.2	.53	.47	.422	.304
512	BD241CTU	TO-220	100	3.0	----	1	.60	.54	.491	.345
512	TIP41C	TO-220	100	6.0	75	3	.67	.496	.425	.368
512	KSC2334YTU	TO-220	100	7.0	240	3	.94	.79	.57	.456
512	KSC3296YTU	TO-220F	150	1.5	140	0.5	.49	.38	.306	.24
512	BU407	TO-220	150	7.0	----	----	.63	.58	.531	.446
512	KSC2690AYS	TO-126	160	1.2	320	0.3	.38	.314	.24	.18
512	KSC3503DSTU	TO-126	300	0.1	120	0.01	.29	.238	.188	.133
512	MJE340STU	TO-126	300	0.5	240	0.05	.45	.36	.27	.19

MOUSER STOCK NO.		Package	V _{CEO} (V)	I _C Max. (A)	h _{FE}		Price Each			
Mfr.	Mfr. Part No.				Max. (mA)	@ I _C (A)	1	25	100	250
PNP										
◆	512-MJD210TF	TO-252	25	5.0	180	2	.44	.38	.345	.287
512	KSB772YS	TO-126	30	3.0	320	1	.32	.266	.209	.152
512	KSB772YSTU	TO-126	30	3.0	320	1	.32	.266	.209	.152
512	TIP42	TO-220	40	6.0	75	3	.42	.401	.367	.288
512	BD13610STU	TO-126	45	1.5	160	0.15	.32	.285	.251	.161
512	BD13616S	TO-126	45	1.5	250	0.15	.32	.285	.251	.161
512	BD13616STU	TO-126	45	1.5	250	0.15	.32	.285	.251	.161
512	BD438STU	TO-220	45	4.0	----	0.01	.45	.40	.358	.236
512	BD675AS	TO-126	45	4.0	----	2	.58	.43	.368	.31
512	MJE800STU	TO-126	60	4.0	----	1.5	.58	.43	.368	.31
◆	512-MJD295STF	TO-252	60	10.0	100	4	.46	.38	.295	.217
512	MJE295TJU	TO-220	60	10.0	100	4	.42	.36	.274	.201
512	BD14010STU	TO-126	80	1.5	160	0.15	.32	.285	.251	.161
512	BD14016S	TO-126	80	1.5	250	0.15	.32	.285	.251	.161
512	BD14016STU	TO-126	80	1.5	250	0.15	.39	.333	.233	.175
512	BD238STU	TO-126	80	2.0	----	0.15	.36	.314	.282	.18
512	MJE172STU	TO-126	80	3.0	250	0.1	.28	.25	.22	.17
◆	512-MJD45H11TF	TO-252	80	8.0	----	2	.60	.44	.342	.336
◆	512-MJD45H11TM	TO-252	80	8.0	----	2	.60	.44	.342	.336
512	TIP32CTU	TO-220	100	3.0	50	3	.56	.415	.356	.308
512	BD244C	TO-220	100	6.0	----	0.3	.66	.58	.491	.354
512	BDX53C	TO-220	100	8.0	----	3	.49	.434	.378	.281
512	KSA1220AYS	TO-126	160	1.2	320	0.3	.37	.323	.282	.19
512	KSA1381ESTU	TO-126	300	0.1	200	0.01	.27	.247	.219	.142
512	MJE350STU	TO-126	300	0.5	240	0.05	.55	.361	.294	.243

DARLINGTON POWER TRANSISTORS

◆ Surface Mount Device
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	V _{CEO} (V)	I _C Max. (A)	h _{FE}		Price Each			
Mfr.	Mfr. Part No.				Max. (mA)	@ I _C (A)	1	25	100	250
NPN										
512	TIP122TU	TO-220	100	5.0	----	0.5	.47	.409	.354	.259
512	TIP122	TO-220	100	5.0	----	0.5	.51	.444	.385	.281
512	TIP127TU	TO-220	100	5.0	----	0.5	.63	.466	.40	.346
◆	512-KSH127TF	TO-252	100	8.0	12000	4	.62	.483	.425	.328
◆	512-FJB102TM	TO-263	100	8.0	20000	3	1.06	.834	.751	.654
512	TIP102	TO-220	100	8.0	20000	3	.69	.602	.524	.402
512	BDX33C	TO-220	100	10.0	----	4	.92	.88	.77	.563
512	TIP142T	TO-220	100	10.0	----	5	1.28	1.13	.989	.861

SWITCHING POWER TRANSISTORS



◆ Surface Mount Device
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	V _{CEO} (V)	I _C Max. (A)	h _{FE}		Price Each			
Mfr.	Mfr. Part No.				Max. (mA)	@ I _C (A)	1	25	100	250
NPN										
512	KSE44H11TU	TO-220	80	10.0	----	2	.73	.563	.49	.427
512	KSC2752OSTU	TO-126	400	0.5	80	0.05	.35	.295	.22	.161
512	KSE13003H2ASTU	TO-126	400	1.5	21	0.5	.37	.31	.23	.176
512	FJN3303FBU	TO-92	400	1.5	23	0.5	.20	.18	.15	.13
512	KSC2333YTU	TO-220	400	2.0	80	0.1	.56	.403	.322	.278
512	FJE5304DTU	TO-126	400	4.0	40	2	.57	.418	.359	.311
512	FJA13009TU	TO-3P	400	12.0	40	5	1.30	1.03	.908	.797
512	FJP13009TU	TO-220	400	12.0	40	5	.92	.73	.64	.56
512	BUT11A	TO-220	450	5.0	----	----	1.19	1.03	.866	.625
512	FJPF5021OTU	TO-220F	500	5.0	50	0.6	.53	.472	.448	.387

MOUSER STOCK NO.		Package	V _{CEO} (V)	I _C Max. (A)	h _{FE}		Price Each			
Mfr.	Mfr. Part No.				Max. (mA)	@ I _C (A)	1	25	100	250
PNP										
512	D45H11	TO-220	80	10.0	----	2	.89	.74	.601	.45
512	KSA1156YS	TO-126	400	0.5	200	0.1	.36	.31	.285	.189

AUDIO AND CAR AMPLIFIER TRANSISTORS

◆ Surface Mount Device *Kinked Leads
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	V _{CEO} (V)	I _C Max. (A)	h _{FE}		Price Each			
Mfr.	Mfr. Part No.				Max. (mA)	@ I _C (A)	1	25	100	250
NPN										
512	PN2222ANLBU	TO-92-3	40	1.0	300	0.5	.12	.10	.075	.056
◆	512-BC81725MTF	SOT-23-3	45	0.8	630	0.5	.12	.07	.069	.046
◆	512-BC81740MTF	SOT-23-3	45	0.8	630	0.5	.12	.07	.069	.058
512	FJA4310OTU	TO-3PN	140	10.0	180	3	1.59	1.27	1.11	.977
512	FJL4315OTU	TO-264	230	15.0	55	1	2.32	1.87	1.68	1.49
512	FJA4313OTU	TO-3PN	250	17.0	160	1	1.55	1.24	1.08	.952
512	2CS200OTU	TO-3P	250	17.0	160	1	2.60	2.10	1.89	1.68

GENERAL PURPOSE SMALL SIGNAL TRANSISTORS

◆ Surface Mount Device *Kinked Leads
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	V _{CEO} (V)	I _C Max. (A)	h _{FE}		Price Each			
Mfr.	Mfr. Part No.				Max. (mA)	@ I _C (A)	1	25	100	250
NPN										
◆	512-BSV52	SOT-23	12	0.2	120	0.01	.06	.057	.031	.028
◆	512-MMBT2369	SOT-23	15	0.2	120	0.01	.06	.057	.037	.031
◆	512-MMBT2369A	SOT-23-3	15	0.2	120	0.01	.11	.066	.055	.039
◆	512-MMBT3646	SOT-23	15	0.3	120	0.03	.06	.05	.037	.031
◆	512-BCP68	SOT-223	20	1.0	375	0.5	.28	.256	.219	.142
◆	512-MMBT5089	SOT-23	25	0.1	1200	0.1	.12	.08	.066	.052
◆	512-MMBT4124	SOT-23	25	0.2	360	0.002	.06	.057	.031	.028
◆	512-BC81816MTF	SOT-23	25	0.8	250	0.1	.06	.057	.041	.031
◆	512-KSC3265YMTF	SOT-23	25	0.8	320	0.1	.07	.06	.05	.04
◆	512-SS8050BU	TO-92-3	25	1.5	160	0.1	.06	.05	.038	.035
◆	512-SS8050CTA	TO-92-3	25	1.5	200	0.1	.06	.05	.033	.03
◆	512-SS8050CBU	TO-92-3	25	1.5	200	0.1	.05	.04	.035	.031
◆	512-SS8050DBU	TO-92-3	25	1.5	300	0.1	.05	.04	.035	.031
◆	512-SS8050DTA	TO-92-3	25	1.5	300	0.1	.07	.06	.038	.034
◆	512-SS8550DBU	TO-92-3	25	1.5	300	0.1	.05	.04	.036	.032
◆	512-FZT649	SOT-223	25	3.0	300	1	.33	.28	.268	.233
◆	512-BC548BU	TO-92-3	30	0.1	450	0.002	.06	.05	.04	.033
◆	512-BC549BTA	TO-92-3	30	0.1	450	0.002	.07	.06	.041	.027
◆	512-BC549BTF	TO-92-3	30	0.1	450	0.002	.06	.05	.033	.022
◆	512-BC848BMTF	SOT-23	30	0.1	450	0.002	.06	.057	.041	.031
◆	512-BC548CTA	TO-92-3	30	0.1	800	0.002	.07	.06	.04	