

FAIRCHILD Small Signal Transistors

FAIRCHILD
SEMICONDUCTOR

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

FAIRCHILD GENERAL PURPOSE - NPN

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	V _{CEO} (V)	I _C Max (A)	h _{FE} (mA)		Price Each			
Mfr.	Mfr. Part No.				Max	@IC	1	25	100	250
◆	512—FSB660A	SuperSOT-3	60	2.0	550	2000	.20	.19	.178	.142
◆	512—KSA708YBU	TO-92	60	0.7	240	500	.07	.066	.041	.031
◆	512—KSB116AGBU	TO-92	60	1.0	400	1000	.09	.085	.062	.052
◆	512—KST2907AMTF	SOT-23	60	0.6	300	150	.07	.066	.041	.031
◆	512—MMBT2907A	SOT-23	60	0.8	300	500	.06	.047	.038	.023
◆	512—MMBT2907AK	SOT-23	60	0.8	300	500	.05	.047	.026	.025
◆	512—MMBTA55	SOT-23	60	0.5	-	100	.07	.06	.049	.044
◆	512—MPS751	TO-92	60	2.0	-	2000	.23	.20	.178	.133
◆	512—MPS8598	TO-92	60	0.1	300	100	.10	.085	.073	.062
◆	512—MPSA55	TO-92	60	0.5	-	100	.09	.076	.062	.052
◆	512—NZT660A	SOT-223	60	3.0	550	3000	.35	.304	.272	.199
◆	512—NZT751	SOT-223	60	4.0	-	2000	.53	.45	.38	.32
◆	512—PN2907ABU	TO-92	60	0.8	300	500	.09	.085	.051	.039
◆	512—PN2907ATAR	TO-92	60	0.8	300	500	.06	.057	.037	.031
◆	512—PN3645	TO-92	60	0.8	300	150	.08	.076	.052	.048
◆	512—PN4249	TO-92	60	0.5	300	10	.21	.17	.084	.068
◆	512—PN4250A	TO-92	60	0.5	700	10	.21	.17	.084	.068
◆	512—PZT2907A	SOT-223	60	0.8	300	500	.20	.181	.157	.125
◆	512—TN2907A	TO-226	60	0.8	300	500	.18	.161	.142	.133
◆	512—TN6728A	TO-226	60	1.2	250	250	.22	.20	.188	.152
◆	512—BC556	TO-92	65	0.1	800	100	.11	.104	.083	.062
◆	512—BC556B	TO-92	65	0.1	800	100	.11	.104	.083	.062
◆	512—BC556CTA	TO-92	65	0.1	800	100	.06	.057	.031	.021
◆	512—BC856CMTF	SOT-23	65	0.1	800	2	.06	.057	.042	.031
◆	512—BC640	TO-92	80	1.0	160	500	.19	.162	.138	.103
◆	512—BCP53	SOT-223-4	80	1.2	250	.5	.28	.256	.219	.142
◆	512—MMBT4356	SOT-23	80	0.8	250	150	.09	.076	.062	.052
◆	512—MMBTA56	SOT-23	80	0.5	-	100	.30	.26	.16	.12
◆	512—MPSA56	TO-92	80	0.5	-	100	.20	.171	.08	.064
◆	512—PZTA56	SOT-223	80	0.5	-	100	.21	.19	.167	.136
◆	512—TN4033A	TO-226	80	1.0	300	500	.23	.209	.188	.161
◆	512—BSS63	SOT-23	100	0.2	-	25	.08	.076	.062	.041
◆	512—TIP30C	TO-220	100	1	75	1000	.40	.352	.285	.20
◆	512—2N5400	TO-92	120	0.6	180	50	.20	.161	.079	.064
◆	512—FJV992FMFT	SOT-23	120	0.1	600	10	.07	.06	.05	.033
◆	512—FJV992PMFT	SOT-23	120	0.1	400	10	.07	.06	.05	.033
◆	512—KSA916YTA	TO-92L	120	0.8	240	500	.15	.133	.115	.083
◆	512—KSA992FTB	TO-92	120	0.1	600	10	.05	.047	.036	.024
◆	512—KSA992FBU	TO-92	120	0.1	600	10	.06	.057	.036	.028
◆	512—KSA992PBU	TO-92	120	0.1	400	10	.05	.047	.031	.028
◆	512—2N5401BU	TO-92	150	0.6	240	50	.09	.085	.051	.039
◆	512—2N5401TA	TO-92	150	0.6	240	50	.05	.047	.031	.028
◆	512—MMBT5401	SOT-23	150	0.6	240	50	.11	.066	.057	.039
◆	512—KSA1013YTA	TO-92L	160	1.0	320	500	.17	.152	.125	.094
◆	512—MPSA93	TO-92	200	0.5	-	20	.12	.104	.094	.073
◆	512—KSP92TA	TO-92	272	0.5	-	10	.07	.066	.041	.031
◆	512—2N6519TA	TO-92	300	0.5	270	10	.06	.057	.037	.031
◆	512—MMBTA92	SOT-23	300	0.5	-	20	.23	.12	.098	.069
◆	512—MPSA92	TO-92	300	0.5	-	20	.21	.19	.132	.09
◆	512—PZTA92	SOT-223	300	0.5	-	20	.24	.219	.188	.142
◆	512—2N6520BU	TO-92	350	0.5	200	50	.07	.066	.041	.031
◆	512—2N6520TA	TO-92	350	0.5	200	50	.06	.057	.041	.031
◆	512—KSA1625KTA	TO-92	400	0.5	200	100	.14	.123	.104	.073
◆	512—KSP94TA	TO-92	400	0.3	272	10	.09	.085	.062	.052

FAIRCHILD DARLINGTON (CONT.)

◆ Surface Mount Device

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MOUSER STOCK NO.		Package	V _{CEO} (V)	I _C Max (A)	h _{FE} (mA)		Price Each			
Mfr.	Mfr. Part No.				Max	@IC	1	25	100	250
NPN (cont.)										
◆	512—2N7052	TO-92-3	100	1.5	20000	100	.18	.142	.125	.095
◆	512—2N7052_D74Z	TO-92-3	100	1.5	20000	100	.17	.142	.123	.104
◆	512—2N7053	TO-226	100	1.5	20000	100	.33	.285	.247	.19
◆	512—MPSA29	TO-92	100	0.8	-	100	.12	.114	.085	.073
◆	512—NZT7053	SOT-223	100	1.5	20000	100	.29	.256	.219	.171
PNP										
◆	512—MMBTA63	SOT-23	30	1.2	-	100	.07	.06	.05	.044
◆	512—MPSA63	TO-92	30	1.2	-	100	.20	.161	.094	.066
◆	512—MPSA64	TO-92	30	1.2	100	100	.09	.085	.071	.063
◆	512—MPSA65	TO-92	30	1.2	-	100	.09	.085	.071	.063
◆	512—PZTA64	SOT-223	30	1.2	-	100	.21	.19	.167	.136
◆	512—BC516	TO-92-3	30	1	-	100	.17	.133	.121	.079
◆	512—BCV26	SuperSOT	80	0.8	-	100	.07	.066	.047	.041
◆	512—MPSA77	TO-92	-	1.2	-	100	.09	.085	.071	.063

FAIRCHILD DUAL AND QUAD GENERAL PURPOSE

◆ Surface Mount Device

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MOUSER STOCK NO.		Package	V _{CEO} (V)	I _C Max (A)	h _{FE} (mA)		Price Each			
Mfr.	Mfr. Part No.				Max	@IC	1	25	100	250
NPN										
◆	512—FFB2222A	SC70-6	40	0.5	300	500	.12	.104	.083	.078
◆	512—FFB3904	SC70-6	40	0.2	300	50	.13	.114	.094	.083
◆	512—FMB2222A	SuperSOT-6	40	0.5	300	500	.16	.133	.115	.109
◆	512—FMB3904	SuperSOT-6	40	0.2	300	50	.14	.123	.115	.104
◆	512—BC847S	SC70-6	45	0.2	630	100	.20	.19	.157	.115
◆	512—FMBA06	SuperSOT-6	80	0.5	-	100	.25	.219	.199	.171
◆	512—FMB5551	SuperSOT-6	160	0.1	250	10	.19	.171	.157	.133
◆	512—MPSA77	TO-92	-	1.2	-	100	.09	.085	.071	.063
NPN Quad										
◆	512—MMPQ2222	SOIC-16	30	0.5	-	150	.83	.666	.502	.468
◆	512—MMPQ2222A	SOIC-16	40	0.5	300	500	.96	.80	.64	.618
◆	512—MMPQ3904	SOIC-16	40	0.2	-	50	.95	.79	.634	.475
NPN/PNP Dual										
◆	512—FFB2227A	SC70-6	30	0.5	-	300	.12	.104	.083	.078
◆	512—FMB2227A	SuperSOT-6	30	0.5	300	300	.16	.142	.125	.115
◆	512—FMB3946	SuperSOT-6	40	0.2	300	10	.17	.142	.136	.125
NPN/PNP Quad										
◆	512—MMPQ6700	SOIC-16	40	0.2	-	10	1.34	1.15	.961	.809
PNP Dual										
◆	512—FFB3906	SC70-6	40	0.2	300	50	.13	.114	.104	.094
◆	512—FMB3906	SuperSOT-6	40	0.2	300	50	.15	.133	.115	.109
◆	512—BC857S	SC70-6	45	0.2	630	100	.21	.19	.167	.125
◆	512—FVB2907A	SC70-6	60	0.6	300	500	.12	.104	.083	.078
◆	512—FMB2907A	SuperSOT-6	60	0.6	300	500	.18	.152	.136	.13
PNP Quad										
◆	512—MMPQ3906	SOIC-16	40	0.2	-	50	1.35	1.15	.961	.809
◆	512—MMPQ2907A	SOIC-16	60	0.6	300	500	.82	.761	.612	.572

FAIRCHILD DARLINGTON

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Mfr.	Mfr. Part No.				Max	@IC	1	25	100	250
NPN										
◆	512—MPSA12	TO-92	20	1.2	-	10	.17	.152	.121	.068
◆	512—2N5306	TO-92	25	1.2	70000	200	.09	.085	.066	.062
◆	512—BCV27	SOT-23	30	1.2	-	100	.11	.085	.079	.047
◆	512—MMBTA13	SOT-23	30	1.2	-	100	.07	.066	.047	.041
◆	512—MMBTA14	SOT-23	30	1.2	-	100	.07	.066	.047	.041
◆	512—MPSA13	TO-92	30	1.2	-	100	.20	.152	.131	.076
◆	512—MPSA14	TO-92	30	1.2	-	100	.20	.152	.131	.076
◆	512—PZTA14	SOT-223	30	1.2	-	100	.21	.187	.159	.136
◆	512—FMB14	SSOT-6	30	1.2	-	100	.16	.142	.123	.115
◆	512—KSP13TF	TO-92-3	30	0.5	-	100	.07	.06	.04	.033
◆	512—KSP14TA	TO-92-3	30	0.5	-	100	.07	.06	.04	.033
◆	512—MPSA13RA	TO-92-3	30	1.2	-	100	.10	.085	.066	.062
◆	512—2N5307	TO-92	40	1.2	20000	200	.09	.085	.066	.062
◆	512—2N5308	TO-92	40	1.2	70000	200	.09	.085	.066	.062
◆	512—2N6426	TO-92	40	1.2	300000	500	.10	.095	.079	.07
◆	512—2N6427	TO-92	40	1.2	200000	500	.09	.085	.07	.062
◆	512—BC517	TO-92	40	-	-	100	.17	.142	.121	.079
◆	512—MMBT6427	SOT-23	40	1.2	200000	500	.15	.133	.083	.073
◆	512—TN6725A	TO-226	50	1.2	40000	1000	.20	.18	.161	.142
◆	512—MPSA27	TO-92	60	0.8	-	100	.12	.114	.085	.073
◆	512—MMBTA28	SuperSOT	80	0.8	-	100	.15	.133	.114	.094
◆	512—BSP52	SOT-223-4	80	0.8	-	500	.29	.257	.183	.15