

FAIRCHILD Small Signal Transistors



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

GENERAL PURPOSE SMALL SIGNAL TRANSISTORS

(CONT.) ♦ 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 (Cont.)										
512-BC547B	TO-92-3	45	0.1	450	0.002	.22	.19	.118	.084	
512-BC547BBU	TO-92-3	45	0.1	450	0.002	.06	.05	.04	.033	
* 512-BC547BTA	TO-92-3	45	0.1	450	0.002	.11	.08	.06	.035	
* 512-BC547BTF	TO-92-3	45	0.1	450	0.002	.07	.06	.041	.027	
♦ 512-BC847BMTF	SOT-23	45	0.1	450	0.002	.09	.057	.049	.041	
512-BC847BS	SC-70-6	45	0.1	450	0.002	.20	.181	.157	.115	
512-BC547CUBU	TO-92-3	45	0.1	800	0.002	.06	.05	.042	.034	
♦ 512-BC547CTA	TO-92-3	45	0.1	800	0.002	.07	.06	.041	.027	
512-BC550CUBU	TO-92-3	45	0.1	800	0.002	.05	.04	.033	.022	
♦ 512-BC550CTA	TO-92-3	45	0.1	800	0.002	.07	.06	.041	.027	
♦ 512-BC847CMTF	SOT-23	45	0.1	800	0.002	.09	.07	.059	.039	
512-BC850CMTF	SOT-23	45	0.1	800	0.002	.06	.05	.041	.031	
♦ 512-MMBT5962	SOT-23	45	0.1	1400	0.01	.07	.06	.05	.04	
512-BCX70H	SOT-23	45	0.2	310	0.002	.07	.06	.044	.033	
♦ 512-BCX70J	SOT-23	45	0.2	460	0.002	.07	.06	.044	.033	
♦ 512-BC847S	SC70-6	45	0.2	630	0.002	.20	.19	.164	.12	
♦ 512-BCX70K	SOT-23	45	0.2	630	0.002	.07	.06	.044	.033	
♦ 512-BCW71	SOT-23	45	0.5	220	0.002	.06	.057	.041	.031	
♦ 512-MMBT100	SOT-23	45	0.5	450	0.01	.06	.059	.043	.032	
♦ 512-BCX19	SOT-23	45	0.5	600	0.1	.09	.085	.062	.052	
512-BC33716BU	TO-92-3	45	0.8	250	0.1	.06	.05	.044	.033	
* 512-BC33716TA	TO-92-3	45	0.8	250	0.1	.08	.07	.052	.039	
♦ 512-BC81716MTF	SOT-23	45	0.8	250	0.1	.06	.05	.04	.031	
512-BC33725BU	TO-92-3	45	0.8	400	0.1	.06	.05	.044	.033	
* 512-BC33725TA	TO-92-3	45	0.8	400	0.1	.12	.10	.061	.041	
* 512-BC33725STAR	TO-92-3	45	0.8	400	0.1	.07	.06	.049	.037	
512-BC33740BU	TO-92-3	45	0.8	630	0.1	.06	.05	.046	.034	
* 512-BC33740TA	TO-92-3	45	0.8	630	0.1	.14	.12	.073	.049	
♦ 512-BCW66G	SOT-23	45	1.0	400	0.1	.08	.07	.055	.044	
512-BD13516S	TO-126	45	1.5	250	0.15	.30	.266	.24	.152	
512-BD13516STU	TO-126	45	1.5	250	0.15	.32	.28	.259	.164	
♦ 512-BCP54	SOT-223	45	1.5	250	0.15	.27	.23	.209	.142	
512-BD437S	TO-126	45	4.0	130	0.01	.44	.39	.351	.228	
♦ 512-KSC1623GMTF	SOT-23	50	0.1	400	0.001	.07	.06	.044	.033	
512-2N5210BU	TO-92-3	50	0.1	600	0.1	.10	.07	.051	.034	
* 512-2N5210TA	TO-92-3	50	0.1	600	0.1	.07	.06	.036	.027	
512-KSC945CYTA	TO-92-3	50	0.15	240	0.001	.06	.05	.04	.031	
512-KSC945YBU	TO-92-3	50	0.15	240	0.001	.06	.057	.041	.031	
* 512-KSC1815YTA	TO-92-3	50	0.15	240	0.002	.08	.07	.052	.039	
512-KSC945CGBU	TO-92-3	50	0.15	400	0.001	.06	.057	.041	.031	
* 512-KSC945CGTA	TO-92-3	50	0.15	400	0.001	.06	.05	.04	.031	
512-KSC945GTA	TO-92-3	50	0.15	400	0.001	.06	.05	.04	.031	
♦ 512-MMBT5210	SOT-23	50	0.5	600	0.1	.06	.057	.042	.031	
♦ 512-MMBT6428	SOT-23	50	0.5	650	0.1	.11	.066	.062	.042	
♦ 512-MMBT2484	SOT-23	60	0.1	500	0.01	.06	.057	.037	.031	
512-BCV71	SOT-23	60	0.5	220	0.002	.06	.057	.037	.021	
* 512-MPSA05RA	TO-92-3	60	0.5	----	0.01	.12	.11	.089	.078	
* 512-KSP05TA	TO-92-3	60	0.5	----	0.1	.03	.028	.027	.025	
512-TIP29A	TO-220	60	1.0	75	1	.44	.37	.36	.325	
512-KSD1616AGBU	TO-92-3	60	1.0	400	0.1	.18	.12	.09	.05	
* 512-KSD1616AGTA	TO-92-3	60	1.0	400	0.1	.05	.048	.044	.041	
* 512-KSD1616ALTA	TO-92-3	60	1.0	600	0.1	.05	.047	.043	.04	
512-BD13716STU	TO-126	60	1.5	250	0.15	.32	.28	.259	.164	
♦ 512-BCP55	SOT-223	60	1.5	250	0.15	.36	.30	.221	.218	
♦ 512-FSB560A	SSOT-3	60	2.0	550	0.5	.19	.18	.167	.146	
512-TIP31A	TO-220	60	3.0	50	3	.45	.389	.333	.289	
♦ 512-NZT560A	SOT-223	60	3.0	550	0.5	.39	.34	.304	.222	
512-NZT651	SOT-223	60	4.0	----	0.05	.59	.50	.424	.357	
512-TIP41A	TO-220	60	6.0	75	3	1.42	.87	.791	.719	
512-D44H8	TO-220	60	8.0	----	2	1.42	.87	.791	.75	
♦ 512-MJD3055TF	TO-252-2	60	10	100	4	.55	.41	.34	.228	
512-BC546ABU	TO-92-3	65	0.1	220	0.002	.06	.05	.04	.033	
512-BC546ATA	TO-92-3	65	0.1	220	0.002	.07	.06	.041	.027	
* 512-BC546BTA	TO-92-3	65	0.1	450	0.002	.06	.05	.04	.026	
* 512-BC546BTF	TO-92-3	65	0.1	450	0.002	.06	.05	.033	.022	
512-BC556BTFR	TO-92-3	65	0.1	450	0.002	.07	.06	.038	.025	
♦ 512-BC846BMTF	SOT-23	65	0.1	450	0.002	.09	.076	.057	.038	
♦ 512-BC856BMTF	SOT-23-3	65	0.1	450	0.002	.06	.05	.048	.035	
512-BC546CTA	TO-92-3	65	0.1	800	0.002	.07	.06	.041	.027	
♦ 512-BC846CMTF	SOT-23-3	65	0.1	800	0.002	.06	.057	.041	.031	
♦ 512-BC856CMTF	SOT-23	65	0.1	800	0.002	.06	.057	.042	.031	
♦ 512-BSS64	SOT-23	80	0.2	----	0.01	.09	.08	.066	.044	
♦ 512-KSP06TA	TO-92-3	80	0.5	----	0.01	.09	.081	.063	.046	
♦ 512-KST06MTF	SOT-23	80	0.5	----	0.01	.07	.06	.05	.04	
♦ 512-MMBTA06	SOT-23	80	0.5	----	0.01	.19	.152	.08	.064	
512-MMBTA56	SOT-23	80	0.5	----	0.01	.18	.135	.097	.084	
♦ 512-MPSA06RA	TO-92-3	80	0.5	----	0.01	.44	.25	.19	.134	
512-PZTA06	SOT-223	80	0.5	----	0.01	.27	.24	.21	.158	
512-PZTA56	SOT-223	80	0.5	----	0.01	.20	.18	.166	.135	
* 512-BC63916D74Z	TO-92-3	80	1.0	250	0.15	.13	.118	.097	.075	
512-TN4033A	TO-226	80	1.0	300	0.5	.23	.21	.195	.167	
512-TN6717A	TO-226	80	1.2	250	0.25	.24	.22	.205	.167	
♦ 512-BCP53	SOT-223-4	80	1.2	250	0.5	.28	.256	.219	.142	
♦ 512-BCP56	SOT-223	80	1.2	250	0.5	.29	.267	.228	.148	
512-BD13910S	TO-126	80	1.5	160	0.15	.30	.266	.24	.152	
512-BD13910STU	TO-126	80	1.5	160	0.15	.31	.27	.252	.159	
512-BD13916S	TO-126	80	1.5	250	0.15	.30	.266	.24	.152	
512-BD237STU	TO-126	80	2.0	----	0.15	.36	.314	.282	.18	
512-TIP41B	TO-220	80	6.0	75	3	.41	.356	.308	.225	



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Mfr.	Mfr. Part No.				Max. (mA)	@ I _C (A)	1	25	100	250
NPN (Cont.)										
♦ 512-MJD44H11TM	TO-252	80	8.0	----	2	.66	.50	.38	.375	
♦ 512-KSH44H11TF	TO-252	80	8.0	----	2	.85	.72	.517	.425	
♦ 512-KSH44H11TM	TO-252	80	8.0	----	2	.77	.64	.469	.385	
512-KSE44H11	TO-220	80	10	----	2	.72	.62	.53	.438	
♦ 512-BSS63	SOT-23	100	0.2	----	0.025	.08	.076	.062	.041	
512-TIP30C	TO-220	100	1.0	75	1	.53	.389	.333	.289	
512-KSH31CTF	TO-252	100	3.0	50	3	.56	.44	.335	.234	
♦ 512-MJD32CTF	TO-252-2	100	3.0	50	3	.45	.39	.308	.215	
512-TIP32C	TO-220	100	3.0	50	3	.57	.422	.362	.314	
512-TIP31C	TO-220	100	3.0	50	3	.53	.389	.333	.289	
512-TIP31CTU	TO-220	100	3.0	50	3	.57	.418	.359	.311	
512-BD243C	TO-220	100	6.0	----	0.3	1.10	.97	.771	.677	
512-BD243C	TO-220	100	6.0	75	3	1.10	.97	.771	.677	
512-TIP42C	TO-220	100	6.0	75	3	.53	.44	.36	.354	
♦ 512-FJV992PMTF	SOT-23	120	0.05	400	0.01	.07	.06	.05	.033	
♦ 512-FJV992FMTF	SOT-23	120	0.05	600	0.01	.07	.06	.05	.033	
512-KSA992FTU	TO-92-3	120	0.05	600	0.01	.06	.05	.047	.031	
* 512-KSA992FBU	TO-92-3	120	0.05	600	0.01	.07	.052	.049	.037	
* 512-KSC1845FTA	TO-92-3	120	0.05	600	0.01	.06	.052	.042	.034	
♦ 512-FJV1845FMTF	SOT-23	120	0.05	1200	0.001	.06	.057	.042	.031	
512-KSA916YTA	TO-92S	120	0.8	240	0.01	.16	.14	.129	.094	
♦ 512-KST5550MTF	SOT-23	140	0.6	250	0.01	.07	.066	.041	.031	
♦ 512-MMBT5550	SOT-23	140	0.6	250	0.01	.07	.06	.05	.04	
♦ 512-MMBT5401	SOT-23	150	0.6	240	0.01	.11	.06	.057	.039	
512-KSC2073TU	TO-220	150	1.5	140	0.5	.66	.56	.442	.358	
512-2N5551BU	TO-92-3	160	0.6	250	0.01	.04	.038	.031	.028	
* 512-2N5551TA	TO-92-3	160	0.6	250	0.01	.06	.05	.037	.033	
* 512-2N5										