

STMicroelectronics Bipolar and Small Signal Transistors



NPN HIGH VOLTAGE TRANSISTORS

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

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	V _{CEO} Max. (V)	I _C Max. (A)	V _{CE} (SAT)		H _{FE}		f _T		Price Each				
					Max. (V)	@IC (A)	Min/Typ/Max	@ IC (A)	Min/Typ (MHz)	@ IC (A)	1	10	100	250	
◆ 511-TRD136DT4	TRD136DT4	DPAK	400	3	0.5	0.5	10/---/20	2	---/---/---	---	---	1.02	.88	.71	.60
511-STU13005N	STU13005N	IPAK	400	3	0.5	1	10/---/30	1	---/---/---	---	---	.55	.47	.349	.303
511-STL128DFP	STL128DFP	TO-220FP	400	4	1	1	10/---/32	2	---/---/---	---	---	.94	.842	.695	.627
◆ 511-TRD236DT4	TRD236DT4	DPAK	400	4	1.3	2.5	8/---/28	2.5	---/---/---	---	---	1.18	1.04	.83	.72
511-STD840DN40	STD840DN40	DIP-8	400/400	4/4	0.5/0.5	1/1	10/---/---	0.01	---/---/---	---	---	.75	.68	.58	.51
511-MD2009DFP	MD2009DFP	TO-220FP	700	10	2.8	5.5	---/18/---	1	---/---/---	---	---	1.92	1.61	1.49	1.35
511-STN0214	STN0214	SOT-223	1200	20	0.1	0.01	---/20/---	0.001	---/---/---	---	---	.80	.75	.69	.64

PNP POWER BIPOLAR TRANSISTORS

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	V _{CEO} Max. (V)	I _C Max. (A)	V _{CE} (SAT)		H _{FE}		f _T		Price Each				
					Max. (V)	@IC (A)	Min/Typ/Max	@ IC (A)	Min/Typ (MHz)	@ IC (A)	1	10	100	250	
511-2SB772	2SB772	SOT-32	-30	-3	-1.1	-3	100/---/300	-0.1	---/100	-0.1	---	.50	.44	.39	.37
511-3STL2540	3STL2540	PowerFLAT 2x2	-40	-5	-0.2	-1	---/280/---	0.5	---/130	0.1	---	.24	.22	.20	.17
511-TIP125	TIP125	TO-220AB	-60	-5	-4	-5	1000/---/---	-3	---	---	---	.53	.50	.45	.40
511-TIP42A	TIP42A	TO-220AB	-60	-6	-1.5	-6	15/---/75	-3	---	---	---	.56	.50	.43	.41
511-MJE2955T	MJE2955T	TO-220AB	-60	-10	-8	-10	20/---/70	-4	2/---	-0.5	---	.55	.52	.44	.39
511-MJ2955	MJ2955	TO-3	-60	-15	-3	-10	20/---/70	-4	---	---	---	1.69	1.52	1.24	.895
511-TIP2955	TIP2955	TO-247	-60	-15	-3	-10	20/---/70	-4	---	---	---	1.61	1.21	1.16	1.01
511-BD140	BD140	SOT-32	-80	-1.5	-0.5	-0.5	40/---/250	-0.15	---	---	---	.40	.38	.26	.23
511-BD238	BD238	SOT-32	-80	-2	-0.6	-1	25/---/---	-1	---	---	---	.42	.40	.36	.34
511-MJE172	MJE172	SOT-32	-80	-3	-1.7	-3	50/---/250	-0.1	50/---	-0.1	---	.42	.40	.36	.34
511-2N5195	2N5195	SOT-32	-80	-4	-1.2	-4	20/---/80	-1.5	2/---	-1	---	.62	.58	.52	.48
511-D45H11	D45H11	TO-220AB	-80	-10	-1.5	-8	40/---/---	-4	---	---	---	.61	.578	.532	.501
511-TIP117	TIP117	TO-220AB	-100	-2	-2.5	-2	500/---/---	-2	---	---	---	.50	.47	.42	.37
◆ 511-MJD32C	MJD32CT4	TO-252	-100	-3	-1.2	-3	10/---/50	-3	---	---	---	.40	.38	.34	.32
511-TIP32C	TIP32C	TO-220AB	-100	-3	-1.2	-3	10/---/50	-3	---	---	---	.55	.47	.36	.32
511-TIP127	TIP127	TO-220AB	-100	-5	-4	-5	1000/---/---	-3	---	---	---	.50	.47	.42	.37
511-TIP42C	TIP42C	TO-220AB	-100	-6	-1.5	-6	15/---/75	-3	---	---	---	.45	.43	.39	.36
511-TIP107	TIP107	TO-220AB	-100	-8	-2.5	-8	1000/---/20000	-3	---	---	---	.59	.57	.51	.48
511-TIP137	TIP137	TO-220AB	-100	-8	-4	-6	1000/---/15000	-4	---	---	---	.95	.81	.67	.61
511-TIP147	TIP147	TO-247	-100	-10	-3	-10	500/---/---	-10	---	---	---	1.44	1.37	1.24	1.09
511-TIP34C	TIP34C	TO-247	-100	-10	-4	-10	200/---/100	-3	3/---	-0.5	---	1.28	1.23	1.11	1.03
511-BDW94C	BDW94C	TO-220AB	-100	-12	-4	-10	750/---/20000	-5	---	---	---	.96	.88	.73	.67
511-2N6287	2N6287	TO-3	-100	-20	-3	-20	750/---/18000	-10	---	---	---	3.35	3.19	2.85	2.57
511-TIP36C	TIP36C	TO-247	-100	-25	-4	-25	10/---/50	-15	3/---	-1	---	1.58	1.48	1.30	1.17
511-2N5415	2N5415	TO-39	-200	-1	-2.5	-0.05	30/---/150	-0.05	15/---	-10	---	.90	.86	.78	.73
511-2ST2121	2ST2121	TO-3	-250	-17	-3	-8	80/---/160	-1	---/25	-1	---	2.89	2.65	2.29	2.13
511-MJE350	MJE350	SOT-32	-300	-0.5	---	---	30/---/240	-0.05	---	---	---	.37	.36	.32	.30
511-2N5416	2N5416	TO-39	-300	-1	-2.5	-0.05	30/---/120	-0.05	15/---	-10	---	1.30	1.12	.88	.76
511-STN9260	STN9260	SOT-223	-600	-0.5	-1	-10	---/140/---	-1	---	---	---	.64	.56	.50	.42

RF POWER TRANSISTORS

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	V _{(BR)DSS} Max. (V)	I _D Max. (A)	I _{DSS} Max. (μA)	P _{OUT} Min. (W)	G _p Typ. (dB)	R _{DS(ON)}		Price Each			
								Max. (Ω)	@ VGS	1	10	100	250
◆ 511-PD55003-E	PD55003-E	PowerSO-10RF	40	3	1	3	17.0	0.75	10	8.79	8.54	7.97	7.77
◆ 511-STAC3932F	STAC3932F	STAC244F	250	20	100	50	24.6	1	20	97.50	97.50	97.50	97.50

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	V _{(BR)DSS} Max. (V)	I _D Max. (A)	I _{DSS} Max. (μA)	P _{OUT} Min. (W)	G _p Typ. (dB)	V _{DS(ON)}		Price Each			
								Max. (V)	@ VGS	1	10	100	250
◆ 511-PD84001	PD84001	SOT-89	18	1.5	1	31	15.0	0.6 Typ	10	2.32	2.06	1.79	1.70
◆ 511-PD84002	PD84002	SOT-89	25	2	1	2	15.0	0.27 Typ	10	4.23	3.74	3.15	2.82
◆ 511-PD85004	PD85004	SOT-89	40	2	1	5	17.0	0.27 Typ	10	3.25	2.82	2.35	2.10
◆ 511-PD55015-E	PD55015-E	PowerSO-10RF	40	5	1	15	14.0	0.8	10	15.56	15.11	13.73	12.95
◆ 511-LET9045C	LET9045C	M243	80	9	1	45	17.7	1.2	10	76.47	74.29	69.33	67.50
◆ 511-LET9060C	LET9060C	M243	80	12	1	60	18	1.2	10	86.76	84.15	78.67	76.62
◆ 511-LET9060F	LET9060F	M250	80	12	1	60	18	1.2	10	86.76	84.15	78.67	76.62
◆ 511-LET9120	LET9120	M246	80	18	1	120	18	1.2	10	183.82	178.30	166.67	162.34
511-LET9150	LET9150	M246	80	20	1	150	20	0.9	10	191.18	185.44	173.33	168.83
◆ 511-SD2933	SD2933	M177	125	40	100	300	23.5	3	10	119.50	115.79	108.07	104.62
◆ 511-STAC4932B	STAC4932B	STAC244B	200	10	1000	1000	26.0	3.6	10	109.93	106.79	99.67	97.08
◆ 511-SD4931	SD4931	M174	200	20	1000	175	14.8	5	10	73.53	71.43	66.67	64.94
◆ 511-SD4933	SD4933	M177	200	40	2000	300	24.0	4	10	135.29	131.10	122.36	118.45

NPN SMALL SIGNAL TRANSISTORS

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	V _{CEO} Max. (V)	I _C Max. (A)	V _{CE} (SAT)		H _{FE}		f _T		Price Each				
					Max. (V)	@IC (A)	Min/Typ/Max	@ IC (A)	Min/Typ (MHz)	@ IC (A)	1	10	100	250	
511-2N2219A	2N2219A	TO-39	40	0.6	1.0	0.5	100/---/300	0.15	---/300	0.02	---	.74	.65	.54	.46
511-2N2222A	2N2222A	TO-18	40	0.6	1.0	0.5	100/---/300	0.15	---/300	0.02	---	.66	.54	.42	.40
511-2N1711	2N1711	TO-39	75	0.5	1.5	0.15	100/130/300	0.15	70/100	0.05	---	.75	.65	.56	.49
511-2N1893	2N1893	TO-39	80	0.5	5.0	0.15	40/80/120	0.15	50/70	0.05	---	.75	.65	.56	.49
511-2N3019	2N3019	TO-39	80	1.0	0.5	0.5	100/---/300	0.15	100/---	0.05	---	.85	.74	.71	.67
511-2N3700	2N3700	TO-18	80	1.0	0.5	0.5	100/---/300	0.15	---/100	0.05	---	.78	.726	.648	.598
◆ 511-MMBTA42	MMBTA42	SOT-23-3	300	0.5	0.5	0.02	40/---/---	0.03	50/---	0.01	---	.18	.16	.126	.109

PNP SMALL SIGNAL TRANSISTORS

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					Max. (V)	@IC (A)	Min/Typ/Max	@ IC (A)	Min/Typ (MHz)	@ IC (A)	1	10	100	250	
511-2N2905A	2N2905A	TO-39	-60	-0.6	-1.6	-0.5	100/---/300	-0.15	200/---	-0.05	---	.78	.726	.648	.598
511-2N2907A	2N2907A	TO-18	-60	-0.6	-1.6	-0.5	100/---/300	-0.15	200/---	-0.05	---	.85	.75	.62	.53
◆ 511-MJD127	MJD127T4	TO-252	-100	-8	-4	-8	1000/---/12000	-4	100/---	-8	---	.48	.43	.36	.35
◆ 511-MMBTA92	MMBTA92	SOT-23-3	-300	-0.5	-0.5	-0.02	40/---/---	-0.03	50/---	-0.01	---	.18	.16	.126	.109