

STMicroelectronics Transistors



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

POWER BIPOLAR TRANSISTORS

◆ 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	1000		
PNP																
◆ 511-2STR1215	2STR1215	SOT-23	15	1.5	0.85	2	200/280/560	0.5	-	-	1.5	.38	.272	.125	.096	
511-TIP29A	TIP29A	TO-220AB	60	1	0.7	1	15/---/75	1	-	-	-	.61	.515	.332	.266	
511-TIP31A	TIP31A	TO-220AB	60	3	1.2	3	10/---/50	3	-	-	-	.52	.437	.266	.206	
511-TIP120	TIP120	TO-220AB	60	5	4	5	1000/---/---	3	-	-	-	.60	.502	.306	.236	
511-D44H8	D44H8	TO-220AB	60	10	1	8	60/---/---	2	-	-	-	.90	.75	.484	.387	
◆ 511-MJD3055	MJD3055T4	TO-252	60	10	1.1	4	20/---/100	4	2/---	0.5	-	.85	.707	.456	.365	
511-MJE3055T	MJE3055T	TO-220AB	60	10	8	10	20/---/70	4	2	0.5	-	.69	.573	.37	.296	
511-TIP3055	TIP3055	TO-247	60	15	3	10	20/---/70	4	-	-	-	1.37	1.17	.901	.628	
511-BD139	BD139	SOT-32	80	1.5	0.5	0.5	40/---/250	0.15	-	-	-	.54	.448	.273	.211	
511-BD679A	BD679A	SOT-32	80	4	2.8	2	750/---/---	2	-	-	-	.69	.58	.374	.299	
511-BD677	BD677	SOT-32	60	6	2.5	1.5	750/---/---	1.5	-	-	-	.70	.586	.378	.302	
◆ 511-MJD44H11	MJD44H11T4	TO-252	80	8	1	8	40/---/---	4	-	-	-	.51	.426	.26	.201	
511-D44H11	D44H11	TO-220AB	80	10	1	8	40/---/---	4	-	-	-	.88	.738	.476	.381	
511-2STW100	2STW100	TO-247	80	25	3.5	20	300/---/6000	20	-	-	-	2.76	2.22	1.78	1.28	
511-2STW200	2STW200	TO-247	80	25	3.5	20	300/---/6000	20	-	-	-	2.79	2.37	1.90	1.37	
511-TIP29C	TIP29C	TO-220AB	100	1	0.7	1	15/---/75	1	-	-	-	.52	.437	.266	.206	
511-TIP112	TIP112	TO-220AB	100	2	2.5	2	500/---/---	2	-	-	-	.56	.471	.304	.243	
◆ 511-MJD112	MJD112T4	TO-252	100	2	4	4	1000/---/12000	2	25/---	0.75	-	.62	.484	.312	.25	
511-TIP112	TIP112	TO-220AB	100	2	2.5	2	500/---/---	2	-	-	-	.56	.471	.304	.243	
◆ 511-MJD31CT4	MJD31CT4	TO-252	100	3	1.2	3	10/---/50	3	-	-	-	.57	.477	.29	.224	
511-TIP31C	TIP31C	TO-220AB	100	3	1.2	3	10/---/50	3	-	-	-	.54	.451	.275	.213	
511-BD681	BD681	SOT-32	100	4	2.5	1.5	750/---/---	1.5	-	-	-	.73	.608	.392	.314	
511-TIP41C	TIP41C	TO-220AB	100	6	1.5	6	15/---/75	3	-	-	-	.61	.509	.31	.24	
511-MJD122	MJD122T4	TO-252	100	8	2	4	1000/---/12000	4	-	-	-	.59	.493	.318	.254	
511-TIP102	TIP102	TO-220AB	100	8	2.5	8	1000/---/20000	3	-	-	-	.57	.477	.308	.246	
511-TIP132	TIP132	TO-220AB	100	8	4	6	1000/---/15000	4	-	-	-	1.10	.941	.722	.504	
511-TIP142	TIP142	TO-247	100	10	3	10	500/---/---	10	-	-	-	1.55	1.32	1.06	.768	
511-TIP142T	TIP142T	TO-220AB	100	10	3	10	500/---/---	10	-	-	-	1.49	1.27	.978	.682	
511-BDW93C	BDW93C	TO-220AB	100	12	3	10	750/---/20000	5	-	-	-	.94	.803	.617	.43	
511-TIP35C	TIP35C	TO-247	100	25	4	25	10/---/50	15	3/---	1	-	1.71	1.38	1.10	.802	
511-2SD1047	2SD1047	TO-3P	140	12	0.5	5	60/---/200	1	---/20	0.5	-	3.70	3.15	2.73	1.95	
◆ 511-2STD1665T4	2STD1665T4	TO-252	150	6	0.05	0.1	150/310/350	2	-	-	-	.91	.736	.565	.394	
◆ 511-MJD47	MJD47T4	TO-252	250	1	1	1	30/---/150	0.3	-	10/---	0.2	.64	.531	.323	.25	
◆ 511-MJD340	MJD340T4	TO-252	300	0.5	-	-	30/---/240	0.05	-	-	-	.50	.422	.257	.199	
◆ 511-MJD350T4	MJD350T4	TO-252	300	0.5	-	-	30/---/240	0.05	-	-	-	.50	.422	.257	.199	
511-MJE340	MJE340	SOT-32	300	0.5	-	-	30/---/240	0.05	-	-	-	.56	.469	.286	.221	
511-ST901T	ST901T	TO-220AB	350	4	2	2	1800/---/3800	2	-	-	-	.94	.803	.617	.43	
511-BU941ZT	BU941ZT	TO-220AB	350	15	1.8	10	300/---/---	5	-	-	-	3.24	2.75	2.38	1.70	
511-BUB941ZTT4	BUB941ZTT4	TO-263	350	15	1.8	8	300/---/---	5	-	-	-	3.23	2.59	2.36	1.61	
511-TIP50	TIP50	TO-220AB	400	1	1	1	30/---/150	0.3	10/---	10	-	.65	.542	.35	.28	
511-STU13005N	STU13005N	IPAK	400	3	0.5	1	10/---/30	1	-	-	-	.49	.408	.249	.192	
511-BU931P	BU931P	TO-247	400	15	1.6	7	300/---/---	5	-	-	-	2.93	2.49	1.99	1.44	
511-BUF420AW	BUF420AW	TO-247	450	30	2	20	---/---/---	-	-	-	-	9.45	8.50	6.99	4.93	
◆ 511-STR1550	STR1550	SOT-23-3	500	0.5	0.2	0.02	100/---/300	0.1	-	-	-	.42	.323	.175	.131	
511-STX616-AP	STX616-AP	TO-92	500	1.5	1	1	4/---/---	1.5	-	-	-	.45	.379	.231	.179	
511-BU508AF	511-BU508AF	ISOWATT-218FX	700	8	1	4.5	10/---/30	0.1	-	-	-	1.92	1.55	1.24	.899	
511-BU508AW	BU508AW	TO-247	700	8	1	4.5	10/---/30	0.1	-	-	-	2.66	2.26	1.96	1.40	
511-MD1803DFP	MD1803DFP	TO-220FP	700	10	2.8	5.5	---/18/---	1	-	-	-	2.11	1.70	1.36	.99	
511-MD2310FX	MD2310FX	TO-3PF	700	14	2.5	7	6/---/8.5	7	-	-	-	2.47	2.10	1.68	1.21	
511-BUL216	BUL216	TO-220AB	800	4	3	2	12/---/40	0.4	-	-	-	2.64	2.25	1.95	1.39	
511-BUL416T	BUL416T	TO-220AB	800	6	1.5	4	18/---/32	0.7	-	-	-	2.75	2.34	2.02	1.45	
511-STN0214	STN0214	SOT-223	1200	20	0.1	0.01	---/20/---	0.001	-	-	-	.86	.742	.57	.397	
PNP																
511-TIP125	TIP125	TO-220AB	-60	-5	-4	-5	1000/---/---	-3	-	-	-	.60	.502	.306	.236	
511-TIP42A	TIP42A	TO-220AB	-60	-6	-1.5	-6	15/---/75	-3	-	-	-	.85	.707	.456	.365	
511-MJE2955T	MJE2955T	TO-220AB	-60	-10	-8	-10	20/---/70	-4	2/---	-0.5	-	.69	.573	.37	.296	
511-TIP2955	TIP2955	TO-247	-60	-15	-3	-10	20/---/70	-4	-	-	-	1.84	1.49	1.19	.864	
511-BD140	BD140	SOT-32	-80	-1.5	-0.5	-0.5	40/---/250	-0.15	-	-	-	.54	.455	.277	.214	
511-D45H11	D45H11	TO-220AB	-80	-10	-1.5	-8	40/---/---	-4	-	-	-	.92	.745	.572	.399	
◆ 511-MJD32C	MJD32CT4	TO-252	-100	-3	-1.2	-3	10/---/50	-3	-	-	-	.42	.354	.216	.167	
511-TIP32C	TIP32C	TO-220AB	-100	-3	-1.2	-3	10/---/50	-3	-	-	-	.54	.451	.275	.213	
511-TIP107	TIP107	TO-220AB	-100	-8	-2.5	-8	1000/---/20000	-3	-	-	-	.60	.502	.324	.259	
511-TIP137	TIP137	TO-220AB	-100	-8	-4	-6	1000/---/15000	-4	-	-	-	1.06	.91	.699	.487	
511-TIP147	TIP147	TO-247	-100	-10	-3	-10	500/---/---	-10	-	-	-	1.76	1.50	1.20	.871	
511-BDW94C	BDW94C	TO-220AB	-100	-12	-4	-10	750/---/20000	-5	-	-	-	.73	.608	.392	.314	
511-TIP36C	TIP36C	TO-247	-100	-25	-4	-25	10/---/50	-15	3/---	-1	-	1.75	1.41	1.13	.819	
511-MJE350	MJE350	SOT-32	-300	-0.5	-	-	30/---/240	-0.05	-	-	-	.52	.433	.264	.204	
◆ 511-STR2550	STR2550	SOT-23-3	-500	-0.5	-0.3	-0.5	100/---/300	-0.5	-	-	-	.42	.323	.175	.131	
511-STN9260	STN9260	SOT-223	-600	-0.5	-1	-10	---/140/---	-1	-	-	-	.74	.62	.40	.32	
◆ 511-STN9360	STN9360	SOT-223	-600	-0.5	-1	-10	170/200/---	-1	-	-	-	.90	.753	.486	.389	

RF POWER TRANSISTOR

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	V(BR)DSS (Max.) (V)	ID (Max.) (A)	IDSS (Max.) (μA)	POUT (Min.) (W)	Gp (Typ.) (dB)	VDS (ON)		Price Each		
								Max. (V)	@ VGS	1	10	100
511-STAC250V2-500E	STAC250V2-500E	STAC177B	900	7	1	3.5	21.5	5	10	130.04	121.03	109.43

SMALL SIGNAL TRANSISTORS

◆ 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	1000		
PNP																
◆ 511-MJD127	MJD127T4	TO-252	-100	-8	-4	-8	1000/---/12000	-4	100/---	-8	.56	.469	.286	.221		