

STMICROELECTRONICS Rectifiers



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

Diodes & Rectifiers

STMicroelectronics

STMICROELECTRONICS FAST RECOVERY RECTIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Case Type	VRMM Max. (V)	IF (AV) Typ. (A)	VF @ IF Max. (V)	trr Typ./Max. (ns)	tfr Typ./Max. (ns)	IFSM Max. (A)	Price Each			
Mfr.	Mfr. Part Number								1	10	100	250
Surface Mount												
511	—BYT01-400	F-126	400	1.0	1.5	----/55	----/----	30	.40	.353	.226	.163
511	—BYT03-400	DO-201AD	400	3.0	1.5	----/55	----/----	60	.20	.19	.189	.174
511	—BYT08P-400	TO-220AC	400	8.0	1.5	----/75	----/----	100	1.67	1.38	1.20	1.11

STMICROELECTRONICS ULTRA FAST RECOVERY RECTIFIERS

For quantities of 500 and up, call for quote.

Surface Mount												
511	—STTH112U	SMB	1200	1.0	1.65	----/75	----/500	18	.57	.42	.34	.26
511	—STTH102A	DO-214AC	200	1.0	0.78	----/20	----/----	40	.25	.235	.224	.181
511	—STTH1R06U	DO-214AA	600	1.0	1.7	----/25	----/100	20	.41	.288	.224	.192
511	—STTH212S	SMC	1200	2.0	1.50	----/75	----/500	40	1.18	1.04	.888	.769
511	—STTH1002TV1	ISOTOP	200	50.0	1.0	53/65	----/180	750	20.40	17.00	13.02	12.26
Thru Hole												
511	—STTH302	DO-201AD	200	3.0	.95	----/35	70/----	130	.53	.39	.31	.246
511	—STTH60P03SW	TO-247	300	60.0	1.5	----/----	----/----	250	1.93	1.84	1.71	1.46
511	—STTH2R06-TR	DO-41	600	2.0	1.7	35/50	----/100	40	.59	.45	.36	.31
511	—STTH8R06D	TO-220AC	600	8.0	2.9	----/25	----/150	80	1.43	1.28	1.10	.982
511	—STTH12R06D	TO-220AC	600	12.0	2.9	----/25	----/200	100	1.54	1.37	1.17	.973
511	—STTH12R06DI	TO-220AC	600	12.0	2.9	----/25	----/200	100	2.10	1.81	1.63	1.36
511	—STTH15L06FP	TO-220FPAC	600	15.0	1.55	----/55	----/300	130	1.73	1.54	1.25	1.09
511	—STTH30R06D	TO-220AC	600	30.0	1.85	50/70	----/500	160	2.15	1.64	1.45	1.24
511	—STTH200L06TV1	ISOTOP	600	2X120	1.55	----/80	----/700	800	33.00	28.71	21.64	21.14

STMICROELECTRONICS SCHOTTKY RECTIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Case Type	VRMM Max. (V)	IF Max. (A)	VF @ IF Max. (V)	Tj Max. (C)	IFSM Max. (A)	Price Each			
Mfr.	Mfr. Part No.							1	10	100	250
Surface Mount											
511	—STPS0520Z	SOD-123-2L	20	0.5	0.3	5.5	125	.42	.318	.228	.186
511	—BAR42FILM	SOT-23	30	0.1	1	0.75	150	.15	.093	.081	.068
511	—BAR43AFILM	SOT-23	30	0.1	1	0.75	150	.29	.235	.187	.128
511	—BAR43SFILM	SOT-23	30	0.1	1	0.75	150	.30	.237	.135	.101
511	—BAT54FILM	SOT-23	30	0.3	0.9	1	150	.21	.14	.125	.116
511	—BAT54CFILM	SOT-23	30	0.3	0.9	1	150	.29	.235	.187	.128
511	—BAT54SFILM	SOT-23	30	0.3	0.9	1	150	.29	.235	.187	.128
511	—STPS1L30U	DO-214AA	30	1	0.3	75	150	.33	.214	.187	.15
511	—STPS15L30CB	TO-252	30	2X7.5	0.57	75	150	1.14	1.03	.90	.83
511	—STPS140U	DO-214AA	40	1	0.5	60	150	.38	.313	.237	.205
511	—STPS140A	DO-214AC	40	1	0.55	60	150	.37	.301	.212	.167
511	—STPS2L40U	DO-214AA	40	2	0.34	75	150	.28	.255	.231	.215
511	—STPS340S	DO-214AB	40	3	0.63	75	150	.38	.343	.311	.288
511	—STPS340U	DO-214AA	40	3	0.63	75	150	.61	.524	.446	.389
511	—STPS640CB	TO-252	40	2X3	0.63	75	150	1.12	1.01	.89	.81
511	—STPS15L45CB	TO-252	45	2X7.5	0.64	75	150	.93	.665	.603	.559
511	—STPS160A	DO-214AC	60	1	0.67	75	150	.64	.486	.437	.389
511	—STPS15L60CB	TO-252	60	2X7.5	0.82	75	150	1.14	1.03	.90	.83
511	—BAR18FILM	SOT-23	70	0.15	0.41	----	150	.34	.288	.181	.139
511	—BAS70-04FILM	SOT-23	70	0.15	0.41	----	150	.39	.267	.171	.13
511	—STPS1H100U	DO-214AA	100	1	0.77	50	175	.62	.477	.342	.278
511	—STPS5H100B	TO-252	100	5	0.61	75	175	1.61	1.39	1.07	.946
511	—STPS8H100G	TO-263	100	8	0.58	250	175	1.14	1.03	.90	.83
511	—STPS20H100CG-TR	TO-263	100	2X5	0.64	250	175	1.78	1.68	1.21	1.06
511	—STPS15H100CB	TO-252	100	2X7.5	0.89	75	175	1.14	1.03	.83	.73
511	—STPS41H100CG	TO-263	100	2X20	0.9	220	175	2.53	2.42	2.04	1.76
511	—STPS2150A	DO-214AC	150	2	0.67	75	175	.48	.388	.294	.22
Thru Hole											
511	—STPS20L15D	TO-220AC	15	20	0.41	310	125	2.40	2.25	1.75	1.35
511	—BAT47	DO-35	20	0.35	0.5	7.5	125	.34	.259	.12	.101
511	—BAT48	DO-35	20	0.35	0.75	7.5	125	.34	.288	.20	.139
511	—1N5817	DO-41	20	1	0.45	25	150	.34	.267	.181	.15
511	—1N5820	DO-201AD	20	3	0.475	80	150	.44	.324	.237	.216
511	—STPS10L25D	TO-220AC	25	10	0.46	200	150	1.04	.947	.858	.795
511	—STPS15L25D	TO-220AC	25	15	0.46	250	150	1.87	1.76	1.57	1.44
511	—BAT42	DO-35	30	0.2	1	4	125	.34	.256	.20	.139
511	—BAT43	DO-35	30	0.2	1	4	125	.34	.288	.20	.139
511	—1N5818	DO-41	30	1	0.55	25	150	.34	.267	.181	.15
511	—1N5821	DO-201AD	30	3	0.5	80	150	.34	.26	.19	.17
511	—STPS30L30CT	TO-220AB	30	2X15	0.37	220	150	1.33	1.20	1.08	.99
511	—1N5819	DO-41	40	1	0.6	25	150	.39	.28	.187	.15
511	—1N5822	DO-201AD	40	3	0.525	80	150	.43	.32	.21	.19
511	—STPS745D	TO-220AC	45	7.5	0.84	150	175	.54	.489	.443	.41
511	—STPS1045D	TO-220AB	45	10	0.84	180	175	.87	.73	.648	.542
511	—STPS1545D	TO-220AC	45	15	0.57	220	175	.88	.79	.657	.578
511	—STPS1545CT	TO-220AB	45	2X7.5	0.57	150	175	.95	.88	.655	.585
511	—STPS3045CT	TO-220AB	45	2X15	0.84	220	175	1.28	1.17	.962	.845
511	—STPS6045CW	TO-247	45	2X30	0.84	400	175	2.88	2.59	2.28	1.97
511	—STPS12045TV	ISOTOP	45	2X60	0.91	900	150	28.58	24.87	18.75	18.32
511	—STPS16045TV	ISOTOP	45	2X80	0.95	900	150	26.49	23.04	17.37	16.97
511	—STPS24045TV	ISOTOP	45	2X120	0.67	1500	150	38.19	33.22	25.05	24.47
511	—1N6263	DO-35	60	0.15	1	50	200	.34	.299	.20	.139
511	—1N5711	DO-35	70	0.15	1	----	200	.34	.256	.181	.15
511	—BAT41	DO-35	100	0.1	0.45	0.75	125	.34	.288	.181	.139
511	—BAT46	DO-35	100	0.15	0.25	0.75	115	.37	.27	.212	.15
511	—STPS8H100D	TO-220AB	100	8	0.71	250	175	1.26	1.02	.875	.751
511	—STPS20H100CT	TO-220AB	100	2X10	0.77	250	175	1.65	1.50	1.21	.972
511	—STPS41H100CT	TO-220AB	100	2X20	0.9	220	175	2.08	1.95	1.56	1.17
511	—STPS160H100TV	ISOTOP	100	2X80	0.68	1000	150	33.88	29.47	22.22	21.71
511	—STPS1150	DO-41	150	1	0.82	75	175	.37	.279	.212	.167

