

STMicroelectronics Rectifiers

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

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Diodes & Rectifiers

COOL BYPASS SWITCH

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Case Type	V _{RMM} Max. (V)	I _{F(AV)} Typ. (A)	I _{FSM} Max. (A)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
511	SPV1001N30	POFN	30	12.5	250	4.28	3.81	3.30
511	SPV1002D40TR	D2PAK	40	16	250	5.85	5.12	4.32
511	SPV1001T40	TO-220AB	40	16	250	5.85	5.12	4.32

SILICON CONTROLLED RECTIFIERS (SCRs)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Case Type	V _{RMM} Max. (V)	I _{GT} Max. (mA)	Price Each		
Mfr.	Mfr. Part No.				1	10	100
511	TN1205H-6G-TR	TO-220AB	600	2	1.06	.99	.891
511	TXN625RG	TO-220AB	600	40	1.60	1.55	1.46

ULTRA FAST RECOVERY RECTIFIERS



Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Case Type	V _{RMM} Max. (V)	V _F @ I _F Max. (V)	I _{FSM} Max. (A)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
511	STTH102	DO-41	200	0.78	50	.31	.28	.25
511	STTH102A	DO-214AC	200	0.78	40	.25	.22	.19
511	STTH102RL	DO-41	200	0.78	50	.45	.38	.26
511	STTH20W02CW	TO-247	200	1.2/10	80	2.57	2.14	1.84
511	STTH1R02A	DO-214AC	200	1.2	60	.38	.34	.28
511	STTH1R02QRL	DO-15	200	1.2	60	.38	.34	.28
511	STTH2R02A	DO-214AC	200	0.8	75	.44	.38	.30
511	STTH2R02U	DO-214AA	200	1.00	75	.73	.58	.40
511	STTH302S	DO-214AB	200	0.95	100	.55	.45	.39
511	STTH3R02	DO-201AD	200	1.2	75	.50	.39	.297
511	STTH3R02S	DO-214AB	200	1.2	75	.51	.45	.39
511	STTH4R02U	DO-214AA	200	1.05	70	.96	.82	.62
511	STTH802B-TR	TO-252	200	1.05	100	1.00	.893	.715
511	STTH802FP	TO-220FPAC	200	0.9	100	.89	.81	.73
511	STTH1502DI	TO-220AC	200	0.95	150	1.45	1.33	1.23
511	STTH2002D	TO-220AC	200	1.1	175	1.65	1.45	1.19
511	STTH2002DI	TO-220AC	200	1.1	175	1.65	1.49	1.29
511	STTH3R02DJF-TR	PowerFLAT	200	1.15/30	300	2.82	2.64	2.45
511	STTH3002CT	TO-220AB	200	1.05	180	3.16	2.87	2.50
511	STTH1002TV1	ISOTOP	200	0.8	750	16.91	16.40	15.33
511	STTH6002CW	TO-247	200	0.84	330	4.01	3.67	3.18
511	STTH20L03CG-TR	D2PAK	300	1.2/10	150	3.08	2.56	2.20
511	STTH20L03CT	TO-220AB	300	1.2/10	150	3.01	2.50	2.15
511	STTH30W03CW	TO-247	300	1.4/15	150	3.85	3.19	2.75
511	STTH60W03CW	TO-247	300	1.45/30	280	4.97	4.12	3.55
511	STTH8R03DJF-TR	TO-220AC	300	1.3/8	280	2.94	2.75	2.55
511	STTH3R03CG-TR	TO-263	300	1.9	120	3.34	3.20	2.69
511	STTH60P03SW	TO-247	300	1.15	250	2.90	2.63	2.25
511	STTH8R04D	TO-220AC	400	1.5	120	1.15	.99	.84
511	STTH1R04G-TR	TO-263	400	1.7	100	1.31	1.17	1.01
511	STTH3R04D	TO-220AC	400	1.26	300	2.51	2.31	1.99
511	STTH6004W	DO-247	400	1.0	600	4.35	3.91	3.45
511	STTH200L04TV1	ISOTOP	400	1.0	900	20.54	19.95	18.62
511	STTH1R06	DO-41	600	1.7	25	.17	.161	.14
511	STTH1R06A	DO-214AC	600	1.25	20	.38	.34	.28
511	STTH1R06U	DO-214AA	600	1.25	20	.24	.236	.226
511	STTH2L06	DO-41	600	1.3	45	.55	.47	.41
511	STTH2L06U	DO-214AA	600	1.05	35	.42	.36	.31
511	STTH2R06S	DO-214AB	600	1.25	30	.45	.40	.35
511	STTH2R06U	DO-214AA	600	1.7	30	.42	.36	.31
511	STTH3L06	DO-201AD	600	1.05	70	.52	.48	.41
511	STTH3BCF060U	SMB	600	----/1.7	10	.86	.67	.583
511	STTH3L06U	DO-214AA	600	1.05	70	.45	.35	.30
511	STTH3R06S	SMC-CLIP	600	1.25	10	.53	.47	.41
511	STTH506B-TR	TO-252	600	1.4	70	1.35	1.20	.82
511	STTH5R06DJF-TR	TO-220AC	600	2.00/5	190	2.88	2.69	2.50
511	STTH5BCF060	DO-201AD	600	----	----	1.80	1.60	1.27
511	STTH5R06B-TR	TO-252	600	1.4	50	1.25	1.00	.92
511	STTH5L06RL	DO-201AD	600	1.05	110	1.06	.92	.726
511	STTH8L06G-TR	D2PAK	600	0.85/1.05	120	1.79	1.62	1.30
511	STTH806G-TR	TO-263	600	1.85	90	1.74	1.55	1.28
511	STTH8BC060D	TO-220AC	600	----	----	1.16	1.05	.913
511	STTH8R06D	TO-220AC	600	2.9	80	1.45	1.30	1.14
511	STTH8R06G	TO-263	600	2.9	80	.75	.684	.593
511	STTH8S06D	TO-220AC	600	1.9	60	.96	.869	.753
511	STTH12R06FP	TO-220FPAC	600	1.8	100	1.61	1.45	1.30
511	STTH12R06DI	TO-220AC	600	1.8	100	1.72	1.54	1.35
511	STTH15L06FP	TO-220FPAC	600	1.2	130	1.16	1.13	1.05
511	STTH15R06D	TO-220AC	600	2.9	120	1.68	1.49	1.31
511	STTH20L06CG-TR	TO-263	600	1.6	80	2.62	2.33	2.02
511	STTH3006PI	DOP-31	600	1.4	160	3.32	2.96	2.42
511	STTH30R06PI	DOP-31	600	1.85	160	2.92	2.70	2.35
511	STTH30R06W	DO-247	600	1.4	160	1.76	1.71	1.59
511	STTH30L06CW	TO-247	600	1.55	130	2.05	1.98	1.81
511	STTH6006W	DO-247	600	1.85	400	4.35	3.91	3.45
511	STTH16BC065CT	TO-220AB	650	3.2	----	2.05	1.85	1.61
511	STTH8BC065DI	TO-220AC	650	----	----	3.26	2.95	2.55
511	STTH108A	DO-214AC	800	1.25	20	.48	.40	.30

ULTRA FAST RECOVERY RECTIFIERS (CONT.)

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Case Type	V _{RMM} Max. (V)	V _F @ I _F Max. (V)	I _{FSM} Max. (A)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
511	STTH208	DO-15	800	1.25	45	.32	.30	.28
511	STTH110	DO-41	1000	1.7	20	.35	.30	.24
511	STTH110A	DO-214AC	1000	1.42	18	.36	.32	.25
511	STTH310	DO-201AD	1000	1.42	55	.52	.48	.41
511	STTH310RL	DO-201AD	1000	1.42	55	.52	.48	.41
511	STTH310S	DO-214AB	1000	1.7	45	.83	.71	.56
511	STTH810FP	TO-220FPAC	1000	2.0	60	1.00	.97	.90
511	STTH1210DI	TO-220AB	1000	1.7	80	2.44	2.20	1.71
511	STTH3010PI	DOP-31	1000	1.7	180	3.06	2.75	2.37
511	STTH6010W	DO-247	1000	2.0	400	4.97	4.60	3.94
511	STTH112U	DO-214AA	1200	1.65	18	.44	.39	.33
511	STTH125S	DO-214AB	1200	1.5	40	.80	.71	.61
511	STTH512FP	TO-220FPAC	1200	1.9	55	.98	.888	.77
511	STTH812D	TO-220AC	1200	1.9	80	.86	.78	.72
511	STTH1512W	DO-247	1200	2.1	200	1.55	1.42	1.31
511	STTH3012D	TO-220AC	1200	2.25	210	2.38	2.17	1.85
511	STTH3012W	DO-247	1200	2.1	210	2.89	2.61	2.33

LOW DROP POWER SCHOTTKY RECTIFIERS

Surface Mount Device

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MOUSER STOCK NO.		Case Type	V _{RMM} Max. (V)	V _F @ I _F Max. (V)	I _{FSM} Max. (A)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
511	1N5817	DO-41	20	----/0.45	25	.12	.11	.10
511	STPS2L25U	DO-214AA	25	0.325/0.375	75	.79	.68	.53
511	STPS15L25D	TO-220AC	25	0.30/0.35	250	2.33	2.07	1.79
511	1N5818	DO-41	30	----/0.50	25	.12	.11	.10
511	STPS1L30A	DO-214AC	30	0.26/0.30	75	.21	.18	.16
511	STPS1L30MF	DO-222AA	30	0.33/0.39	50	.31	.282	.245
511	STPS1L30U	DO-214AA	30	0.26/0.3	75	.18	.167	.145
511	STPS2L30AF	DO-221AC	30	0.325/0.375	180	.28	.25	.23
511	STPS15L30CB	TO-252	30	0.34/0.39	75	1.14	1.03	.90
511	STPS30L30DJF-TR	PowerFlat	30	0.44/15	250	2.19	2.05	1.90
511	STPS60L30CW	TO-247	30	0.33/0.38	600	4.20	3.60	3.44
511	1N5819	DO-41	40	----/0.55	25	.12	.11	.10
511	STPS1L40M	DO-216AA	40	0.35/0.40	50	.21	.18	.16
511	STPS2L40U	DO-214AA	40	0.31/0.34	75	.27	.248	.215
511	STPS2L40UF	DO-214AA	40	0.31/0.34	75	.48	.42	.37
511	1N5822	DO-201AD	40	----/0.525	80	.19	.17	.16
511	STPS40L45CG	TO-263	45	0.42/0.49	230	1.52	1.26	1.18
511	STPS30M60DJF-TR	TO-220AC	60	0.52/0.10	450	1.65	1.49	1.30
511	STPS40M60CG-TR	D2PAK	60	0.46/0.50	220	1.97	1.78	1.55
511	STPS40M60CR	I2PAK						