

TAIWAN SEMICONDUCTOR Rectifiers and Diodes



SCHOTTKY RECTIFIERS

Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Rev. Volt. VFM (V)	Max. Aver. Rect. Current I _o (A)	Price Each		
						1	10	100
821-B0520LW	B0520LW RH	SOD-123	5.5	20	0.5	.40	.264	.11
821-B0530W	B0530W RH	SOD-123	5.5	30	0.5	.40	.264	.11
821-B0540W	B0540W RH	SOD-123	5.5	40	0.5	.40	.264	.11
821-1N5817	1N5817	DO-41	25	20	1	.28	.185	.077
821-1N5818	1N5818	DO-41	25	30	1	.28	.185	.077
821-1N5819	1N5819	DO-41	25	40	1	.28	.185	.077
821-SS13M	SS13M RS	MicroSMA	25	30	1	.46	.273	.129
821-SS14M	SS14M RS	MicroSMA	25	40	1	.46	.273	.129
821-SS16M	SS16M RS	MicroSMA	25	60	1	.46	.273	.129
821-SS12	SS12	DO-214AC	30	20	1	.32	.213	.089
821-SS12L	SS12L	Sub-SMA	30	20	1	.37	.246	.103
821-SS13	SS13	DO-214AC	30	30	1	.32	.213	.089
821-SS13L	SS13L	Sub-SMA	30	30	1	.37	.246	.103
821-SS14	SS14	DO-214AC	30	40	1	.32	.213	.089
821-SS15	SS15	DO-214AC	30	50	1	.32	.213	.089
821-SS16	SS16	DO-214AC	30	60	1	.32	.213	.089
821-SS16L	SS16L	Sub-SMA	30	60	1	.37	.246	.103
821-SS19	SS19	DO-214AC	30	90	1	.40	.235	.101
821-SS19L	SS19L	Sub-SMA	30	90	1	.42	.245	.105
821-SS22	SS22	DO-214AA	50	20	2	.54	.354	.197
821-SS23	SS23	DO-214AA	50	30	2	.54	.316	.135
821-SS24	SS24	DO-214AA	50	40	2	.54	.316	.135
821-SS25	SS25	DO-214AA	50	50	2	.54	.316	.135
821-SS26	SS26	DO-214AA	50	60	2	.54	.316	.135
821-SS29	SS29	DO-214AA	50	90	2	.53	.313	.147
821-1N5820	1N5820	DO-201AD	80	20	3	.49	.326	.216

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						1	10	100
821-1N5821	1N5821	DO-201AD	80	30	3	.46	.31	.173
821-1N5822	1N5822	DO-201AD	80	40	3	.46	.31	.173
821-SR306	SR306	DO-201AD	80	60	3	.41	.276	.154
821-SR309	SR309	DO-201AD	150	90	3	.42	.283	.158
821-SS33	SS33	DO-214AB	100	30	3	.52	.345	.193
821-SS34	SS34	DO-214AB	100	40	3	.57	.385	.255
821-SS35	SS35	DO-214AB	100	50	3	.52	.345	.193
821-SS36	SS36	DO-214AB	100	60	3	.52	.345	.193
821-SR502	SR502	DO-201AD	150	20	5	.57	.382	.213
821-SR503	SR503	DO-201AD	150	30	5	.57	.382	.213
821-SR504	SR504	DO-201AD	150	40	5	.57	.382	.213
821-MBR1045	MBR1045	TO-220A	150	45	10	1.06	.822	.654
821-MBR1060	MBR1060	TO-220A	150	60	10	1.06	.822	.654
821-SR1660	SR1660	TO-220	200	60	16	.89	.689	.548
821-MBR2045CT	MBR2045CT	TO-220	150	45	20	1.49	1.15	.917
821-MBR2045CT	MBR2045CT	D2PAK	150	45	20	1.01	.784	.624
821-MBR2050CT	MBR2050CT	D2PAK	150	50	20	1.03	.797	.634
821-MBR2060CT	MBR2060CT	TO-220	150	60	20	1.49	1.15	.917
821-MBR2545CT	MBR2545CT	D2PAK	150	45	30	1.23	.951	.757
821-MBR2560CT	MBR2560CT	D2PAK	150	60	30	1.31	1.01	.806
821-TSF30H100C-CO	TSF30H100C CO	ITO-220AB-3	150	100	30	1.62	1.25	1.00
821-TSF30H120C-CO	TSF30H120C CO	ITO-220AB-3	150	120	30	1.67	1.29	1.03
821-TSF30H150C-CO	TSF30H150C CO	ITO-220AB-3	150	150	30	1.71	1.32	1.05
821-TSF30H200C-CO	TSF30H200C CO	ITO-220AB-3	150	200	30	1.74	1.34	1.07
821-MBR3035CT	MBR3035CT	TO-220	250	35	30	1.08	.838	.667

STANDARD BRIDGE RECTIFIERS

Surface Mount Device

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						1	10	100
821-MBS2	MBS2	MBS	35	200	0.8	.45	.301	.168
821-MBS4	MBS4	MBS	35	400	0.8	.45	.301	.168
821-MBS6	MBS6	MBS	35	600	0.8	.56	.332	.157
821-MBS8	MBS8	MBS	35	800	0.8	.41	.277	.154
821-MBS10	MBS10	MBS	35	1000	0.8	.41	.277	.154
821-ABS15J-RGG	ABS15J RGG	ABS	40	600	1.5	.42	.282	.158
821-ABS15M-RGG	ABS15M RGG	ABS	40	1000	1.5	.42	.282	.158
821-GBU403	GBU403	GBU	150	200	4	.90	.697	.45
821-GBU404	GBU404	GBU	150	400	4	.90	.697	.45
821-GBU405	GBU405	GBU	150	600	4	.92	.715	.462
821-GBU406	GBU406	GBU	150	800	4	.92	.715	.462
821-GBU407	GBU407	GBU	150	1000	4	.92	.715	.462
821-GBU602	GBU602	GBU	175	100	6	.96	.748	.483
821-GBU604	GBU604	GBU	175	400	6	.96	.748	.483
821-GBU605	GBU605	GBU	175	600	6	.88	.685	.545
821-GBU606	GBU606	GBU	175	800	6	.88	.685	.545

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						1	10	100
821-GBU607	GBU607	GBU	175	1000	6	.88	.685	.545
821-TS20P04G	TS20P04G	TS6P	250	400	20	1.69	1.31	1.04
821-TS20P06G	TS20P06G	TS6P	250	800	20	1.59	1.28	1.03
821-TS20P07G	TS20P07G	TS6P	250	1000	20	1.68	1.36	1.09
821-GBPC2502	GBPC2502	GBPC	300	200	25	2.64	2.13	1.70
821-GBPC2502W	GBPC2502W	GBPC-W	300	200	25	2.64	2.13	1.70
821-GBPC2506	GBPC2506	GBPC	300	600	25	2.67	2.16	1.72
821-GBPC2510	GBPC2510	GBPC	300	1000	25	2.67	2.16	1.72
821-GBPC3502	GBPC3502	GBPC	400	200	35	2.86	2.31	1.85
821-GBPC3504W	GBPC3504W	GBPC-W	400	400	35	2.86	2.31	1.85
821-GBPC3506	GBPC356	GBPC	400	600	35	2.86	2.31	1.85
821-GBPC3510	GBPC3510	GBPC	400	1000	35	2.86	2.31	1.85
821-GBPC4001	GBPC4001	GBPC-40	400	100	40	3.32	2.67	2.19
821-GBPC4002	GBPC4002	GBPC-40	400	200	40	3.32	2.67	2.19
821-GBPC4004	GBPC4004	GBPC-40	400	400	40	3.53	2.84	2.33
821-GBPC4010	GBPC4010	GBPC-40	400	1000	40	3.84	3.09	2.53

FAST RECTIFIERS

Surface Mount Device

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MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Rev. Volt. VFM (V)	Max. Aver. Rect. Current I _o (A)	Price Each		
						1	10	100
821-RSFAL	RSFAL	Sub-SMA	30	50	0.5	.38	.255	.106
821-RSFBL	RSFBL	Sub-SMA	30	100	0.5	.38	.255	.106
821-RSFDL	RSFDL	Sub-SMA	30	200	0.5	.38	.255	.106
821-RSFG	RSFGL	Sub-SMA	30	400	0.5	.41	.271	.113
821-RSFML	RSFML	Sub-SMA	30	1000	0.5	.41	.271	.113
821-1N4933	1N4933	DO-41	30	50	1	.13	.106	.037
821-RS1A	RS1A	DO-214AC	30	50	1	.31	.209	.087
821-RS1B	RS1B	DO-214AC	30	100	1	.31	.209	.087
821-1N4935	1N4935	DO-41	30	200	1	.23	.178	.066

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						1	10	100
821-RS1D	RS1D	DO-214AC	30	200	1	.40	.23	.099
821-RS1G	RS1G	DO-214AC	30	400	1	.40	.23	.099
821-1N4937	1N4937	DO-41	30	600	1	.23	.178	.066
821-RS1J	RS1J	DO-214AC	30	600	1	.31	.209	.087
821-RS1K	RS1K	DO-214AC	30	800	1	.35	.231	.097
821-RS1M	RS1M	DO-214AC	30	1000	1	.40	.23	.099
821-RS1JLS-RVG	RS1JLS RVG	SOD-123HE	50	600	1.2	.39	.259	.108
821-RS1KLS-RVG	RS1KLS RVG	SOD-123HE	50	800	1.2	.39	.259	.108
821-RS1MLS-RVG	RS1MLS RVG	SOD-123HE	50	1000	1.2	.39	.259	.108

ZENER DIODES

Specifications:

- Max. Rev. Leakage at VWM, I_D of 5µA
- -55 to +150°C Operating and Storage Temperature Range
- Package: DO-214AC

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MOUSER STOCK NO.	Taiwan Semi Part No.	Nominal Voltage VZ @ IZT	Test Current @ IT (mA)	Stand-Off Voltage VWM	Price Each		
					1	10	100
1W							
821-1SMA4741	1SMA4741	11	23	8.4	.43	.252	.108
821-1SMA4742	1SMA4742	12	21	9.1	.43	.252	.108
821-1SMA4744	1SMA4744	15	17	11.4	.43	.252	.108
821-1SMA4745	1SMA4745	16	15.5	12.2	.43	.252	.108
821-1SMA4746	1SMA4746	18	14.0	13.7	.43	.252	.108
821-1SMA4747	1SMA4747	20	12.5	15.2	.43	.252	.108
821-1SMA4748	1SMA4748	22	11.5	16.7	.43	.252	.108
821-1SMA4749	1SMA4749	24	10.5	18.2	.43	.252	.108
821-1SMA4750	1SMA4750	27	9.5	20.6	.43	.252	.108
821-1SMA4751	1SMA4751	30	8.5	22.8	.43	.252	.108
821-1SMA4752	1SMA4752	33	7.5	25.1	.43	.252	.108
821-1SMA4753	1SMA4753	36	7.0	27.4	.43	.252	.108
821-1SMA4754	1SMA4754	39	6.5	29.7	.43	.252	.108
821-1SMA4755	1SMA4755	43	6.0	32.7	.43	.252	.108
821-1SMA4756	1SMA4756	47	5.5	35.8	.43	.252	.108
821-1SMA4757	1SMA4757	51	5.0	38.8	.43	.252	.108
821-1SMA4758	1SMA4758	56	4.5	42.6	.43	.252	.108
821-1SMA4759	1SMA4759	62	4.0	47.1	.43	.252	.108
821-1SMA4760	1SMA4760	68	3.7	51.7			