

# DIODES INC. Diodes



This product is RoHS compliant.



## HIGH SPEED SWITCHING DIODES

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Configuration	V <sub>RRM</sub>	Power Dissipation	T <sub>rr</sub>	V <sub>F</sub>	I <sub>R</sub>	V <sub>R</sub>	Total Capacitance	Price Each			
											1	10	100	500
621-1N4148WT	1N4148WT	SOD-523	Single	100V	150mW	4ns	0.715V	1µA	75V	2pF	.38	.28	.144	.108
621-BAV19W-F	BAV19W-F	SOD-123	Single	100V	250mW	50ns	1V	0.1µA	120V	5pF	.42	.31	.16	.12
621-1N4148W-F	1N4148W-F	SOD-123	Single	100V	400mW	4ns	1V	1µA	75V	2pF	.44	.30	.15	.112
621-BAV16W-F	BAV16W-F	SOD-123	Single	100V	400mW	4ns	1V	1µA	100V	2pF	.44	.30	.20	.112
621-BAS19W-7-F	BAS19W-7-F	SOT-323	Single	120V	200mW	50ns	1V	.1µA	120V	5pF	.46	.338	.238	.13
621-BAV116W-F	BAV116W-F	SOT-323	Single	130V	250mW	300ns	1.1V	0.005µA	75V	2.4pF	.38	.28	.19	.108
621-BAV20W-F	BAV20W-F	SOD-123	Single	150V	250mW	50ns	1V	0.1µA	200V	5pF	.42	.31	.16	.12
621-BAV21W-F	BAV21W-F	SOD-123	Single	200V	250mW	50ns	1V	0.1µA	250V	5pF	.42	.31	.22	.12
621-BAV21WS-F	BAV21WS-F	SOD-323	Single	250V	200mW	50ns	1V	0.1µA	250V	5pF	.39	.30	.216	.126
621-BAS21-F	BAS21-F	SOT-23	Single	250V	350mW	50ns	1V	0.1µA	250V	5pF	.38	.28	.19	.108
621-BAV3004W-F	BAV3004W-F	SOD-323	Single	350V	400mW	50ns	1V	0.1µA	240V	5pF	.45	.36	.216	.162
621-1N4148WS-F	1N4148WS-F	SOD-323	Single	75V	200mW	4ns	1V	1µA	75V	2pF	.44	.30	.15	.112
621-1N4448WS-F	1N4448WS-F	SOD-323	Single	75V	200mW	4ns	1V	2.5µA	75V	4pF	.44	.30	.15	.112
621-BAS16W-F	BAS16W-F	SOT-323	Single	75V	200mW	4ns	1V	1µA	75V	2pF	.39	.27	.135	.10
621-BAS16-F	BAS16-F	SOT-23	Single	75V	350mW	4ns	1V	1µA	75V	2pF	.33	.22	.15	.084
621-MMBD4148-F	MMBD4148-F	SOT-23	Single	75V	350mW	4ns	1V	1µA	75V	2pF	.33	.22	.112	.084
621-MMBD914-7-F	MMBD914-7-F	SOT-23	Single	75V	350mW	4ns	1V	1µA	75V	2pF	.33	.22	.112	.084
621-1N4448W-F	1N4448W-F	SOD-123	Single	75V	400mW	4ns	1V	2.5µA	75V	4pF	.44	.30	.15	.112
621-1N4148-T	1N4148-T	DO-35	Single	75V	500mW	4ns	1V	5µA	75V	4pF	.11	.07	.05	.025
621-1N4448HWT-F	1N4448HWT-F	SOD-523	Single	80V	150mW	4ns	0.72V	0.1µA	80V	3pF	.38	.28	.12	.064
621-MMBD4448H-F	MMBD4448H-F	SOT-23	Single	80V	350mW	4ns	0.72V	0.1µA	70V	3.5pF	.33	.22	.112	.084
621-PD3SD2580-7	PD3SD2580-7	PowerDI™-323	Single	80V	500mW	4ns	1.25V	0.1µA	80V	1.5pF	.39	.30	.22	.126
621-BAS116-F	BAS116-F	SOT-23	Single	85V	250mW	3000ns	1.1V	0.005µA	75V	2pF	.34	.25	.15	.112
621-BAV23A-F	BAV23A-F	SOT-23	Dual, Com. Anode	250V	350mW	50ns	1V	0.1µA	250V	5pF	.42	.31	.16	.12
621-BAW56-F	BAW56-F	SOT-23	Dual, Com. Anode	75V	350mW	4ns	1V	2.5µA	75V	2pF	.38	.28	.19	.108
621-BAV23C-F	BAV23C-F	SOT-23	Dual, Com. Cathode	250V	350mW	50ns	1V	0.1µA	250V	5pF	.42	.31	.16	.12
621-BAV70-F	BAV70-F	SOT-23	Dual, Com. Cathode	75V	350mW	4ns	1V	2.5µA	75V	2pF	.38	.26	.18	.098
621-BAV170-F	BAV170-F	SOT-23	Dual, Com. Cathode	85V	250mW	3000ns	1.1V	0.005µA	75V	2pF	.42	.31	.22	.12
621-MMBD2004S-F	MMBD2004S-F	SOT-23	Dual, Series	300V	350mW	50ns	1V	0.1µA	240V	5pF	.23	.18	.14	.11
621-MMBD3004S-F	MMBD3004S-F	SOT-23	Dual, Series	350V	350mW	50ns	1.25V	0.1µA	240V	1pF	.42	.31	.22	.12
621-BAV99W-F	BAV99W-F	SOT-323	Dual, Series	75V	200mW	4ns	1V	2.5µA	75V	2pF	.40	.33	.21	.115
621-BAV99-F	BAV99-F	SOT-23	Dual, Series	75V	350mW	4ns	1V	2.5µA	75V	2pF	.44	.30	.15	.112
621-BAV199-F	BAV199-F	SOT-23	Dual, Series	85V	250mW	3000ns	1.1V	0.005µA	75V	2pF	.25	.20	.15	.11
621-MMBD3004BRM-F	MMBD3004BRM-7-F	SOT-26	Dual-Dual, Series	350V	350mW	50ns	.87V	.1µA	240V	5pF	.67	.54	.345	.277
621-BAV99DW-F	BAV99DW-7-F	SOT-363	Dual-Dual, Series (Alt.)	75V	200mW	4ns	1V	2.5µA	75V	2pF	.50	.40	.30	.18
621-SDA004-7	SDA004-7	SOT-363	Dual-Dual, Series (Alt.)	80V	200mW	4ns	1V	2.5µA	75V	2pF	.99	.79	.506	.407
621-BAV199DW-F	BAV199DW-7-F	SOT-363	Dual-Dual, Series (Alt.)	85V	200mW	3000ns	0.9V	.005µA	75V	2pF	.55	.44	.264	.198
621-BAS16TW-F	BAS16TW-F	SOT-363	Triple, Isolated	75V	150mW	4ns	1V	1µA	75V	2pF	.45	.36	.27	.162
621-MMBD4448HTW-F	MMBD4448HTW-7-F	SOT-363	Triple, Isolated	80V	200mW	4ns	1V	.1µA	70V	3.5pF	.50	.40	.24	.18
621-MMBD4448HAQW-F	MMBD4448HAQW-7-F	SOT-363	Quad, Com. Anode	80V	200mW	4ns	1V	.1µA	70V	3.5pF	.60	.48	.36	.277
621-MMBD4448HCQW-F	MMBD4448HCQW-7-F	SOT-353	Quad, Com. Cathode	80V	200mW	4ns	1V	.1µA	70V	3.5pF	.60	.48	.36	.277

## SCHOTTKY BARRIER DIODES

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Configuration	V <sub>RRM</sub>	Power Dissipation	I <sub>FM</sub>	Fwd. Voltage Drop		Max. Rev. Current		Price Each			
							V <sub>F</sub>	@ I <sub>F</sub>	I <sub>R</sub>	@ V <sub>R</sub>	1	10	100	500
621-SDM20U30	SDM20U30-7	SOD-523	Single	30V	150mW	200mA	.35V	20mA	150µA	30V	.81	.64	.48	.333
621-BAT42WS-F	BAT42WS-F	SOD-323	Single	30V	200mW	200mA	.40V	10mA	.5µA	25V	.64	.51	.368	.296
621-BAT43W-F	BAT43W-F	SOD-123	Single	30V	200mW	200mA	.33V	2mA	.5µA	25V	.43	.389	.198	.168
621-BAT43WS-F	BAT43WS-F	SOD-323	Single	30V	200mW	200mA	.33V	2mA	.5µA	25V	.64	.51	.38	.264
621-BAT54-F	BAT54-7-F	SOT-23	Single	30V	200mW	200mA	.32V	1mA	2µA	25V	.50	.40	.30	.18
621-BAT54WS-F	BAT54WS-F	SOD-323	Single	30V	200mW	200mA	.50V	30mA	2µA	25V	.80	.64	.48	.37
621-SD107WS-F	SD107WS-7-F	SOD-323	Single	30V	250mW	100mA	.55V	50mA	1µA	25V	.95	.75	.567	.388
621-SD101CWS-F	SD101CWS-F	SOD-323	Single	40V	200mW	15mA	.39V	1mA	.2µA	30V	.62	.50	.37	.237
621-SD103AWS-F	SD103AWS-F	SOD-323	Single	40V	200mW	350mA	.37V	20mA	5µA	30V	.60	.48	.36	.247
621-BAS40-F	BAS40-7-F	SOT-23	Single	40V	350mW	200mA	.38V	1mA	2µA	30V	.64	.51	.38	.264
621-SD103AW-F	SD103AW-F	SOD-123	Single	40V	400mW	350mA	.37V	20mA	5µA	30V	.52	.42	.31	.189
621-SD103CW-F	SD103CW-F	SOD-123	Single	40V	400mW	350mA	.37V	20mA	5µA	20V	.52	.42	.31	.189
621-SDM10U45-F	SDM10U45-7-F	SOD-523	Single	45V	150mW	300mA	.55V	50mA	1µA	25V	.81	.64	.48	.333
621-SDM10K45-F	SDM10K45-7-F	SOD-323	Single	45V	200mW	100mA	.45V	10mA	1µA	10V	.60	.48	.36	.277
621-SD101AWS-F	SD101AWS-F	SOD-323	Single	60V	200mW	15mA	.41V	1mA	.2µA	50V	.62	.50	.30	.225
621-SD101AW-F	SD101AW-F	SOD-123	Single	60V	400mW	15mA	.41V	1mA	.2µA	50V	.47	.38	.228	.171
621-1N5711WS-F	1N5711WS-F	SOT-23	Single	70V	150mW	15mA	.41V	1mA	.2µA	50V	.72	.58	.414	.333
621-1N5711W-F	1N5711W-7-F	SOD-123	Single	70V	333mW	15mA	.41V	1mA	.2µA	50V	.70	.56	.336	.252
621-BAT54A-F	BAT54A-7-F	SOT-23	Dual, Com. Anode	30V	200mW	200mA	.32V	1mA	2µA	25V	.60	.48	.345	.277
621-BAT54AW-F	BAT54AW-7-F	SOT-323	Dual, Com. Anode	30V	200mW	200mA	.32V	1mA	2µA	25V	.72	.58	.414	.333
621-BAS70-06-F	BAS70-06-7-F	SOT-23	Dual, Com. Anode	70V	200mW	70mA	.41V	1mA	.1µA	50V	.80	.64	.48	.37
621-BAT54CT-F	BAT54CT-7-F	SOT-523	Dual, Com. Cathode	30V	150mW	200mA	.32V	1mA	2µA	25V	.60	.48	.36	.247
621-BAT54C-F	BAT54C-7-F	SOT-23	Dual, Com. Cathode	30V	200mW	200mA	.32V	1mA	2µA	25V	.60	.48	.36	.277
621-BAT54CW-F	BAT54CW-7-F	SOT-323	Dual, Com. Cathode	30V	200mW	200mA	.32V	1mA	2µA	25V	.72	.58	.414	.333
621-BAS40-05-F	BAS40-05-7-F	SOT-23	Dual, Com. Cathode	40V	350mW	200mA	.38V	1mA	.2µA	30V	.64	.51	.368	.296
621-BAS70-05-F	BAS70-05-7-F	SOT-23	Dual, Com. Cathode	70V	200mW	70mA	.41V	1mA	.1µA	50V	.80	.64	.48	.37
621-SDM40E20LS-F	SDM40E20LS-7-F	SOT-23	Dual, Series	20V	300mW	400mA	.31V	100mA	100µA	10V	.64	.51	.368	.296
621-BAT54ST-F	BAT54ST-7-F	SOT-523	Dual, Series	30V	150mW	200mA	.32V	1mA	2µA	25V	.81	.64	.48	.333
621-BAT54S-F	BAT54S-7-F	SOT-23	Dual, Series	30V	200mW	200mA	.32V	1mA	2µA	25V	.60	.48	.345	.277
621-BAT54SW-F	BAT54SW-7-F	SOT-323	Dual, Series	30V	200mW	200mA	.32V	1mA	2µA	25V	.72	.58	.414	.333
621-BAS40-04T-F	BAS40-04T-7-F	SOT-523	Dual, Series	40V	150mW	200mA	.38V	1mA	.2µA	30V	.64	.51	.368	.296
621-BAS40W-04-F	BAS40W-04-7-F	SOT-323	Dual, Series	40V	200mW	200mA	.38V	1mA	.2µA	30V	.80	.64	.46	.37
621-BAS40-04-F	BAS40-04-7-F	SOT-23	Dual, Series	40V	350mW	200mA	.38V	1mA	.2µA	30V	.64	.51	.38	.296
621-BAS70-04-F	BAS70-04-7-F	SOT-23	Dual, Series	70V	200mW	70mA	.41V	1mA	.1µA	50V	.80	.64	.48	.37
621-BAT54BRW-F	BAT54BRW-7-F	SOT-363	Dual-Dual, Series	30V	200mW	200mA	.32V	1mA	2µA	25V	.96	.76	.576	.396
621-BAS70W-04-F	BAS70W-04-7-F	SOT-323	Dual-Dual, Series (Alt.)	70V	200mW	70mA	.41V	1mA	.1µA	50V	.88	.70	.506	.407
621-BAT54TW-F	BAT54TW-7-F	SOT-363	Triple, Isolated	30V	200mW	200mA	.32V	1mA	2µA	25V	.80	.64	.46	.37
621-QSBT40-F	QSBT40-7-F	SOT-363	Quad, Series (Rail Clamp)	30V	200mW	200mA	.35V	1mA	2µA	25V	1.09	.86	.66	.483