

DIODES INC. Diodes and Rectifiers

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SCHOTTKY BARRIER DIODES

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Configuration	V _{RRM} (V)	Power Dissipation (mW)	I _{FM} (m)	Fwd. Voltage Drop				Price Each		
							Max. Rev. Current		Max. Rev. Current		1	10	100
							V _F (V)	@ I _F (mA)	I _R (μA)	@ V _R (V)			
621-SDM20U30	SDM20U30-F	SOD-523	Single	30	150	200	.35	20	150	30	.46	.303	.13
621-BAT42WS-F	BAT42WS-F	SOD-323	Single	30	200	200	.40	10	5	25	.36	.255	.117
621-BAT43W-F	BAT43W-F	SOD-123	Single	30	200	200	.33	2	5	25	.36	.255	.117
621-BAT43WS-F	BAT43WS-F	SOD-323	Single	30	200	200	.33	2	5	25	.36	.255	.117
621-BAT54-F	BAT54-7-F	SOT-23	Single	30	200	200	.32	1	2	25	.15	.142	.05
621-BAT54WS-F	BAT54WS-F	SOD-323	Single	30	200	200	.50	30	2	25	.19	.18	.063
621-SD107WS-F	SD107WS-7-F	SOD-323	Single	30	250	100	.55	50	1	25	.38	.268	.123
621-SD101CWS-F	SD101CWS-F	SOD-323	Single	40	200	15	.39	1	2	30	.38	.268	.123
621-SD103AWS-F	SD103AWS-F	SOD-323	Single	40	200	350	.37	20	5	30	.36	.255	.117
621-BAS40-F	BAS40-7-F	SOT-23	Single	40	350	200	.38	1	2	30	.31	.216	.09
621-SD103AW-F	SD103AW-F	SOD-123	Single	40	400	350	.37	20	5	30	.43	.255	.121
621-SDM10U45	SDM10U45-7	SOD-523	Single	45	150	300	.55	50	1	25	.21	.144	.06
621-SDM10K45-F	SDM10K45-7-F	SOD-323	Single	45	200	100	.45	10	1	10	.34	.237	.099
621-SDM10U45LP-7	SDM10U45LP-7	DFN	Single	45	250	300	.55	50	1	25	.43	.332	.18
621-SD101AWS-F	SD101AWS-F	SOD-323	Single	60	200	15	.41	1	2	50	.46	.268	.123
621-SD101AW-F	SD101AW-F	SOD-123	Single	60	400	15	.41	1	2	50	.46	.268	.127
621-1N5711WS-F	1N5711WS-F	SOD-323	Single	70	150	15	.41	1	2	50	.42	.326	.176
621-1N5711W-F	1N5711W-7-F	SOD-123	Single	70	333	15	.41	1	2	50	.36	.255	.117
621-BAS70JW-7-F	BAS70JW-7-F	SOT-363	Dual, Isolated (Alt.)	70	200	70	.41	1	1	50	.52	.433	.264
621-BAT54A-F	BAT54A-7-F	SOT-23	Dual, Com. Anode	200	200	32	1	2	25	19	.176	.062	
621-BAT54AW-F	BAT54AW-7-F	SOT-323	Dual, Com. Anode	30	200	200	.32	1	2	25	.27	.189	.079
621-BAT54CT-F	BAT54CT-7-F	SOT-523	Dual, Com. Cathode	30	150	200	.32	1	2	25	.44	.288	.124
621-BAT54C-F	BAT54C-7-F	SOT-23	Dual, Com. Cathode	30	200	200	.32	1	2	25	.19	.176	.062
621-BAT54CW-F	BAT54CW-7-F	SOT-323	Dual, Com. Cathode	30	200	200	.32	1	2	25	.33	.216	.093
621-SDMP0340LCT-7-F	SDMP0340LCT-7-F	SOT-523	Dual, Com. Cathode	40	150	30	.37	1	1	10	.44	.288	.124
621-BAS40-05-F	BAS40-05-7-F	SOT-23	Dual, Com. Cathode	40	350	200	.38	1	2	30	.27	.189	.079
621-BAS70-05-F	BAS70-05-7-F	SOT-23	Dual, Com. Cathode	70	200	70	.41	1	1	50	.35	.227	.097
621-SDM40E20LS-F	SDM40E20LS-7-F	SOT-23	Dual, Series	20	300	400	.31	100	100	10	.41	.341	.208
621-BAT54ST-F	BAT54ST-7-F	SOT-523	Dual, Series	30	150	200	.32	1	2	25	.44	.288	.124
621-BAT54S-F	BAT54S-7-F	SOT-23	Dual, Series	30	200	200	.32	1	2	25	.19	.176	.062
621-BAT54SW-F	BAT54SW-7-F	SOT-323	Dual, Series	30	200	200	.32	1	2	25	.33	.225	.094
621-BAS40-04T-F	BAS40-04T-7-F	SOT-523	Dual, Series	40	150	200	.38	1	2	30	.48	.361	.227
621-BAS40W-04-F	BAS40W-04-7-F	SOT-323	Dual, Series	40	200	200	.38	1	2	30	.40	.283	.13
621-BAS40-04-F	BAS40-04-7-F	SOT-23	Dual, Series	40	350	200	.38	1	2	30	.33	.216	.093
621-BAS70-04-F	BAS70-04-7-F	SOT-23	Dual, Series	70	200	70	.41	1	1	50	.35	.227	.097
621-BAT54BRW-F	BAT54BRW-7-F	SOT-363	Dual-Dual, Series	30	200	200	.32	1	2	25	.43	.361	.22
621-SD103ASDM-F	SD103ASDM-7-F	SOT-26	Dual-Dual, Series (Alt.)	40	225	350	.37	20	5	30	.39	.325	.194
621-BAS70ADW-04-F	BAS70ADW-04-7-F	SOT-363	Dual-Dual, Series (Alt.)	70	200	70	.41	1	1	50	.52	.433	.264
621-BAT54ADW-F	BAT54ADW-7-F	SOT-363	Dual-Dual, Com. Anode	30	200	200	.32	1	2	25	.52	.433	.264
621-BAS70W-04-F	BAS70W-04-7-F	SOT-323	Dual-Dual, Series (Alt.)	70	200	70	.41	1	1	50	.38	.268	.123
621-BAT54TW-F	BAT54TW-7-F	SOT-363	Triple, Isolated	30	200	200	.32	1	2	25	.40	.283	.13
621-SD103ATW-F	SD103ATW-7-F	SOT-363	Triple, Isolated (Alt.)	40	200	350	.37	20	5	30	.36	.255	.117
621-SDM03MT40-7-F	SDM03MT40-7-F	SOT-26	Triple, Isolated (Alt.)	40	225	30	.37	1	1	10	.43	.361	.22
621-QSBT40-F	QSBT40-7-F	SOT-363	Quad, Series (Rail Clamp)	30	200	200	.35	1	2	25	.82	.705	.542

SBR® SUPER BARRIER RECTIFIERS

A ground breaking innovation in rectifier technology that uniquely captures the benefits provided by the pn-junction diode and the Schottky Barrier diode and integrates them into a single component. State-of-the-art integrated circuit wafer processing technology has allowed the design and manufacturability of a device, which is able to integrate and improve the benefits of the two existing rectifier technologies into a single device.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Configuration	Rectifying Current (A)	V _{RRM} (V)	I _{FSM} (A)	Fwd. Voltage Drop		Price Each		
							Max. Rev. Current		1	10	100
							V _F (V)	@ I _F (A)			
621-SBR0220LP-7	SBR0220LP-7	DFN1006-2	Single	.2	20	5	.48	.2	.41	.319	.173
621-SBR02M30LP-7	SBR02M30LP-7	DFN1006-2	Single	.2	30	5	.61	.2	.48	.372	.202
621-SBR02U100LP-7	SBR02U100LP-7	DFN1006-2	Single	.2	100	5	.8	.2	.51	.395	.214
621-SBR05U20SN-7	SBR05U20SN-7	SC-59	Single	.5	20	3	.56	.5	.34	.266	.144
621-SBR1A40S1-7	SBR1A40S1-7	SOD-123	Single	1	40	20	.52	1	.41	.314	.17
621-SBR160S23-7	SBR160S23-7	SOT-23	Single	1	60	15	.6	1	.45	.323	.148
621-SBR1U200P1-7	SBR1U200P1-7	PowerDI™123	Single	1	200	40	.82	1	.43	.332	.18
621-SBR1U400P1-7	SBR1U400P1-7	PowerDI™123	Single	1	400	40	.9	1	.49	.376	.204
621-SBR1U40LP-7	SBR1U40LP-7	DFN1411-3	Single	1	40	5	.49	1	.52	.433	.264
621-SBR2M30P1-7	SBR2M30P1-7	PowerDI™123	Single	2	30	75	.46	2	.43	.361	.22
621-SBR2U30P1-7	SBR2U30P1-7	PowerDI™123	Single	2	30	75	.4	2	.43	.361	.22
621-SBR2A40P1-7	SBR2A40P1-7	PowerDI™123	Single	2	40	75	.45	2	.43	.332	.18
621-PD3S220L-7	PD3S220L-7	POWERDI-323	Single	2	20	33	.49	2	.47	.397	.242
621-SBR2U150SA-13	SBR2U150SA-13	SMA	Single	2	150	42	.65	2	.63	.527	.34
621-SBR3M30P1-7	SBR3M30P1-7	PowerDI™123	Single	3	30	75	.51	3	.56	.469	.286
621-SBR3U30P1-7	SBR3U30P1-7	PowerDI™123	Single	3	30	75	.4	3	.49	.376	.204
621-SBR3U60P1-7	SBR3U60P1-7	POWERDI-123	Single	3	60	80	.65	3	.40	.305	.165
621-SBR10A45SP5-13	SBR10A45SP5-13	POWERDI-5	Single	10	45	180	.53	10	.83	.697	.45
621-SBR10U45SP5-13	SBR10U45SP5-13	POWERDI-5	Single	10	45	275	.47	10	.98	.84	.645
621-SBR12U45LH-13	SBR12U45LH-13	POWERDI-5SP	Single	12	45	300	.5	12	1.73	1.47	1.18
621-SBR15U50SP5-13	SBR15U50SP5-13	PowerDI™5	Single	15	50	256	.52	15	.88	.736	.475
621-SBR660CTL-13	SBR660CTL-13	TO-252	Dual	6	60	80	.57	3	.89	.744	.48
621-SBR6200CTL-13	SBR6200CTL-13	TO-252	Dual	6	200	80	.85	3	.98	.844	.648
621-SBR10U60CT	SBR10U60CT	TO-220AB	Dual	10	60	150	.48	5	1.34	1.14	.882
621-SBR10U150CT	SBR10U150CT	TO-220AB	Dual	10	150	150	.79	5	.88	.705	.542
621-SBR2060CT	SBR2060CT	TO-220AB	Dual	20	60	150	.7	10	.88	.705	.542
621-SBR20100CT	SBR20100CT	TO-220AB	Dual	20	100	150	.82	10	.89	.72	.553
621-SBR20U150CTFP	SBR20U150CTFP	ITO-220AB	Dual	20	150	200	.78	10	1.60	1.36	1.09
621-SBR20A200CT	SBR20A200CT	TO-220AB	Dual	20	200	180	.86	10	1.22	.985	.756
621-SBR20A200CTB	SBR20A200CTB	D2PAK	Dual	20	200	180	.84	10	1.31	1.12	.86
621-SBR20A200CTB-13	SBR20A200CTB-13	D2PAK	Dual	20	200	180	.84	20	1.31	1.12	.86
621-SBR30U30CT	SBR30U30CT	TO-220AB	Dual	30	30	280	.45	15	2.69	2.17	1.74
621-SBR3045CTB-13	SBR3045CTB-13	TO-263	Dual	30	45	180	.7	15	2.11	1.80	1.44
621-SBR30A100CTB-13	SBR30A100CTB-13	D2PAK	Dual	30	100	180	.85	15	1.49	1.27	.978
621-SBR30200CT	SBR30200CT	TO-220AB	Dual	30	200	200	.98	15	1.60	1.36	1.09
621-SBR40U300CT	SBR40U300CT	TO-220AB	Dual	40	300	235	.89	20	3.83	3.26	2.82
621-SBR60A300CT	SBR60A300CT	TO-220AB	Dual	60	300	235	.94	30	4.14	3.33	3.03
621-SBR05M60BLP-7	SBR05M60BLP-7	DFN	Quad	.5	60	8	.49	.5	.84	.651	.42

ZENER DIODES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Nominal Voltage (V)	Power Rating (W)	Test Current (mA)	Price Each		
						1	10	100
621-BZT52C3V6LP-7	BZT52C3V6LP-7	DFN1006-2	3.6	.25	5	.44	.288	.124
621-BZT52C4V7LP-7	BZT52C4V7LP-7	DFN1006-2	4.7	.25	5	.44	.288	.124
621-SMAZ22-13-F	SMAZ22-13-F	SMA	22	1	25	.34	.266	.144
621-SMAZ27-13-F	SMAZ27-13-F	SMA	27	1	25	.34	.266	.144