

DIODES INC. Diodes and Rectifiers



RoHS Compliant This product is RoHS compliant.

SCHOTTKY BARRIER DIODES (CONT.)

NEW PRODUCT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Configuration	V _{RRM}	Power Dissipation	I _{FM}	Fwd. Voltage Drop		Max. Rev. Current	Price Each				
							V _F	@ I _F		I _R	@ V _R	1	10	100
621-SDM10U45-F	SDM10U45-7-F	SOD-523	Single	45V	150mW	300mA	.55V	50mA	1µA	25V	.81	.64	.48	.333
621-SDM10U45	SDM10U45-7	SOD-523	Single	45V	150mW	300mA	0.55V	50mA	1µA	25V	.63	.425	.38	.197
621-SDM10K45-F	SDM10K45-7-F	SOD-323	Single	45V	200mW	100mA	.45V	10mA	1µA	10V	.63	.425	.20	.183
621-SDM10U45LP-7	SDM10U45LP-7	DFN	Single	45V	250mW	300mA	0.55V	50mA	1µA	25V	.54	.428	.243	.22
621-SD101AWS-F	SD101AWS-F	SOD-323	Single	60V	200mW	15mA	.41V	1mA	.2µA	50V	.48	.33	.162	.153
621-SD101AWS-F	SD101AWS-F	SOD-123	Single	60V	400mW	15mA	.41V	1mA	.2µA	50V	.41	.32	.162	.13
621-1N5711WS-F	1N5711WS-F	SOD-323	Single	70V	150mW	15mA	.41V	1mA	.2µA	50V	.70	.60	.47	.34
621-1N5711W-F	1N5711W-F	SOD-123	Single	70V	333mW	15mA	.41V	1mA	.2µA	50V	.48	.33	.22	.13
621-BAS70JW-7-F	BAS70JW-7-F	SOT-363	Dual, Isolated (Alt.)	70V	200mW	70mA	0.41V	1mA	0.1µA	50V	.66	.528	.396	.294
621-BAT54A-F	BAT54A-7-F	SOT-23	Dual, Com. Anode	30V	200mW	200mA	.32V	1mA	2µA	25V	.45	.30	.14	.075
621-BAT54AW-F	BAT54AW-7-F	SOT-323	Dual, Com. Anode	30V	200mW	200mA	.32V	1mA	2µA	25V	.42	.30	.18	.10
621-BAT54CT-F	BAT54CT-7-F	SOT-523	Dual, Com. Cathode	30V	150mW	200mA	.32V	1mA	2µA	25V	.56	.40	.24	.135
621-BAT54C-F	BAT54C-7-F	SOT-23	Dual, Com. Cathode	30V	200mW	200mA	.32V	1mA	2µA	25V	.38	.25	.12	.065
621-BAT54CW-F	BAT54CW-7-F	SOT-323	Dual, Com. Cathode	30V	200mW	200mA	.32V	1mA	2µA	25V	.42	.30	.18	.10
621-SDMP0340LCT-7-F	SDMP0340LCT-7-F	SOT-523	Dual, Com Cathode	40V	150mW	30mA	0.37V	1mA	1µA	10V	.56	.40	.24	.22
621-BAS40-05-F	BAS40-05-7-F	SOT-23	Dual, Com. Cathode	40V	350mW	200mA	.38V	1mA	.2µA	30V	.42	.30	.18	.10
621-BAS70-05-F	BAS70-05-7-F	SOT-23	Dual, Com. Cathode	70V	200mW	70mA	.41V	1mA	.1µA	50V	.42	.30	.25	.244
621-SDM40E20LS-F	SDM40E20LS-7-F	SOT-23	Dual, Series	20V	300mW	400mA	.41V	100mA	100µA	10V	.50	.396	.256	.22
621-BAT54ST-F	BAT54ST-7-F	SOT-523	Dual, Series	30V	150mW	200mA	.32V	1mA	2µA	25V	.56	.40	.24	.135
621-BAT54S-F	BAT54S-7-F	SOT-23	Dual, Series	30V	200mW	200mA	.32V	1mA	2µA	25V	.45	.306	.14	.07
621-BAT54SW-F	BAT54SW-7-F	SOT-323	Dual, Series	30V	200mW	200mA	.32V	1mA	2µA	25V	.63	.42	.145	.10
621-BAS40-04T-F	BAS40-04T-7-F	SOT-523	Dual, Series	40V	150mW	200mA	.38V	1mA	.2µA	30V	.55	.44	.33	.245
621-BAS40W-04-F	BAS40W-04-7-F	SOT-323	Dual, Series	40V	200mW	200mA	.38V	1mA	.2µA	30V	.53	.375	.25	.145
621-BAS40-04-F	BAS40-04-7-F	SOT-23	Dual, Series	40V	350mW	200mA	.38V	1mA	.2µA	30V	.42	.30	.18	.10
621-BAS70-04-F	BAS70-04-7-F	SOT-23	Dual, Series	70V	200mW	70mA	.41V	1mA	.1µA	50V	.42	.30	.25	.244
621-BAT54BRW-F	BAT54BRW-7-F	SOT-363	Dual-Dual, Series	30V	200mW	200mA	.32V	1mA	2µA	25V	.55	.44	.33	.245
621-SD103ASDM-F	SD103ASDM-7-F	SOT-26	Dual-Dual, Series (Alt.)	40V	225mW	350mA	0.37V	20mA	5µA	30V	.50	.396	.297	.22
621-BAS70DW-04-F	BAS70DW-04-7-F	SOT-363	Dual-Dual, Series (Alt.)	70V	200mW	70mA	0.41V	1mA	0.1µA	50V	.66	.52	.342	.294
621-BAT54ADW-F	BAT54ADW-7-F	SOT-363	Dual-Dual, Com. Anode	30V	200mW	200mA	0.32V	1mA	2µA	25V	.66	.528	.396	.294
621-BAS70W-04-F	BAS70W-04-7-F	SOT-323	Dual-Dual, Series (Alt.)	70V	200mW	70mA	.41V	1mA	.1µA	50V	.48	.338	.294	.269
621-BAT54TW-F	BAT54TW-7-F	SOT-363	Triple, Isolated	30V	200mW	200mA	.32V	1mA	2µA	25V	.53	.37	.25	.14
621-SD103ATW-F	SD103ATW-7-F	SOT-363	Triple, Isolated (Alt.)	40V	200mW	350mA	0.37V	20mA	5µA	30V	.48	.338	.162	.13
621-SDM03MT40-7-F	SDM03MT40-7-F	SOT-26	Triple, Isolated (Alt.)	40V	225mW	30mA	0.37V	1mA	1µA	10V	.55	.44	.33	.245
621-QSBT40-F	QSBT40-7-F	SOT-363	Quad, Series (Rail Clamp)	30V	200mW	200mA	.35V	1mA	2µA	25V	1.06	.91	.72	.42

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.

NEW PRODUCT

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MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Configuration	Rectifying Current	V _{RRM}	I _{FSM}	Fwd. Voltage Drop		Max. Rev. Current	Price Each			
							V _F	@ I _F		I _R	@ V _R	1	10
621-SBR130SV-7	SBR130SV-7	SOT-563	-	1A	30V	2.5A	0.56V	1A	.28	.254	.24	.202	
621-SBR1U30SV-7	SBR1U30SV-7	SOT-563	-	1A	30V	2.5A	0.51V	1A	.32	.29	.27	.23	
621-SBR0220LP-7	SBR0220LP-7	DFN1006-2	Single	.2A	20V	5A	480mV	.2A	.50	.39	.234	.19	
621-SBR02M30LP-7	SBR02M30LP-7	DFN1006-2	Single	.2A	30V	5A	610mV	.2A	.58	.456	.26	.216	
621-SBR02U100LP-7	SBR02U100LP-7	DFN1006-2	Single	.2A	100V	5A	800mV	.2A	.53	.42	.276	.229	
621-SBR05U20SN-7	SBR05U20SN-7	SC-59	Single	.5A	20V	3A	560mV	0.5A	.44	.342	.234	.145	
621-SBR1A40S1-7	SBR1A40S1-7	SOD-123	Single	1A	40V	20A	0.52V	1A	.22	.206	.192	.163	
621-SBR160S23-7	SBR160S23-7	SOT-23	Single	1A	60V	15A	0.6V	1A	.60	.428	.285	.165	
621-SBR1U200P1-7	SBR1U200P1-7	PowerDI™ 123	Single	1A	200V	40A	0.82V	1A	.54	.42	.292	.174	
621-SBR1U400P1-7	SBR1U400P1-7	PowerDI™ 123	Single	1A	400V	40A	0.9V	1A	.59	.42	.28	.142	
621-SBR1U40LP-7	SBR1U40LP-7	DFN1411-3	Single	1A	40V	5A	490mV	1A	.66	.52	.342	.228	
621-SBR2M30P1-7	SBR2M30P1-7	PowerDI™ 123	Single	2A	30V	75A	460mV	2A	.50	.393	.224	.186	
621-SBR2U30P1-7	SBR2U30P1-7	PowerDI™ 123	Single	2A	30V	75A	400mV	2A	.50	.393	.224	.186	
621-SBR2A40P1-7	SBR2A40P1-7	PowerDI™ 123	Single	2A	40V	75A	450mV	2A	.59	.42	.28	.142	
621-PD3S220L-7	PD3S220L-7	POWERDI-323	Single	2A	20V	33A	490mV	2A	.61	.48	.363	.269	
621-SBR2U150SA-13	SBR2U150SA-13	SMA	Single	2A	150V	42A	0.65V	2A	.54	.493	.46	.391	
621-SBR3M30P1-7	SBR3M30P1-7	PowerDI™ 123	Single	3A	30V	75A	510mV	3A	.62	.485	.331	.229	
621-SBR3U30P1-7	SBR3U30P1-7	PowerDI™ 123	Single	3A	30V	75A	400mV	3A	.59	.42	.28	.142	
621-SBR3U60P1-7	SBR3U60P1-7	POWERDI-123	Single	3A	60V	80A	0.65V	3A	.22	.20	.19	.159	
621-SBR10A45SP5-13	SBR10A45SP5-13	POWERDI-5	Single	10A	45V	180A	0.53V	10A	.90	.815	.765	.646	
621-SBR10U45SP5-13	SBR10U45SP5-13	POWERDI-5	Single	10A	45V	275A	470mV	10A	1.14	1.02	.81	.63	
621-SBR12U45LH-13	SBR12U45LH-13	POWERDI-5SP	Single	12A	45V	300A	0.5V	12A	2.24	2.03	1.91	1.61	
621-SBR660CTL-13	SBR660CTL-13	TO-252	Dual	6A	60V	80A	0.57V	3A	1.08	.86	.55	.37	
621-SBR6200CTL-13	SBR6200CTL-13	TO-252	Dual	6A	200V	80A	0.85V	3A	.97	.874	.82	.693	
621-SBR10U60CT	SBR10U60CT	TO-220AB	Dual	10A	60V	150A	480mV	5A	.92	.805	.621	.50	
621-SBR10U150CT	SBR10U150CT	TO-220AB	Dual	10A	150V	150A	790mV	5A	.96	.84	.648	.525	
621-SBR2060CT	SBR2060CT	TO-220AB	Dual	20A	60V	150A	700mV	10A	.96	.84	.648	.525	
621-SBR20A60CT	SBR20A60CT	TO-220AB	Dual	20A	60V	180A	650mV	10A	1.05	.93	.735	.659	
621-SBR20100CT	SBR20100CT	TO-220AB	Dual	20A	100V	150A	820mV	10A	.98	.858	.661	.537	
621-SBR20U150CTFP	SBR20U150CTFP	ITO-220AB	Dual	20A	150V	200A	780mV	10A	1.61	1.45	1.17	.952	
621-SBR20A200CT	SBR20A200CT	TO-220AB	Dual	20A	200V	180A	860mV	10A	1.17	1.03	.82	.732	
621-SBR20A200CTB	SBR20A200CTB	D2PAK	Dual	20A	200V	180A	840mV	10A	1.40	1.24	.98	.76	
621-SBR20A200CTB-13	SBR20A200CTB-13	D2PAK	Dual	20A	200V	180A	840mV	20A	1.36	1.28	1.08	.664	
621-SBR30U30CT	SBR30U30CT	TO-220AB	Dual	30A	30V	280A	450mV	15A	3.51	3.06	2.27	1.82	
621-SBR3045CTB-13	SBR3045CTB-13	TO-263	Dual	30A	45V	180A	0.7V	15A	2.30	2.08	1.94	1.66	
621-SBR30A100CTB-13	SBR30A100CTB-13	D2PAK	Dual	30A	100V	180A	850mV	15A	1.54	1.47	1.22	.755	
621-SBR30200CT	SBR30200CT	TO-220AB	Dual	30A	200V	200A	980mV	15A	1.61	1.45	1.17	1.15	
621-SBR40U300CT	SBR40U300CT	TO-220AB	Dual	40A	300V	235A	890mV	20A	2.50	2.25	1.81	1.77	
621-SBR60A300CT	SBR60A300CT	TO-220AB	Dual	60A	300V	235A	940mV	30A	3.89	3.38	2.60	2.34	
621-SBR05M60BLP-7	SBR05M60BLP-7	DFN	Quad	.5A	60V	8A	490mV	0.5A	.92	.79	.63	.462	

ZENER DIODES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Nominal Voltage	Power Rating	Test Current
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