

**DIODES** General Purpose and Schottky Diodes  
Schottky Barrier Rectifiers (Cont.)



Fig.	Max. Avg. Rectified Current (A)	Max. Peak Reverse Voltage (V)	Max. Surge Current 8.3ms (A)	Max. Rev. Current @ 25°C (mA)	Max. Peak Forward Voltage (V)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		
							1	10	100		Qty.	Pricing	
11	3.0	40	150	3.0	0.55	SR304-FDICT-ND	.68	5.40	40.50	—	—	—	
		50	150	3.0	0.75	SR305DICT-ND	.72	5.60	48.00	—	—	—	
		60	150	3.0	0.75	SR306DICT-ND	.77	5.95	51.00	—	—	—	
		100	80	0.5	0.80	SB3100DICT-ND	.68	5.25	45.00	SB3100DITR-ND	1,200	232.50/M	
		30	250	10.0	0.57	SR503DICT-ND	1.04	8.05	69.00	—	—	—	
12	1.0	40	250	10.0	0.57	SR504DICT-ND	1.08	8.40	72.00	—	—	—	
		50	150	1.0	0.67	SR505DICT-ND	.73	5.33	42.90	—	—	—	
		60	150	1.0	0.67	SR506DICT-ND	.73	5.33	42.90	—	—	—	
		100	150	0.5	0.80	SB5100DICT-ND	1.46	11.56	98.60	SB5100DITR-ND	1,200	452.00/M	
		20	33	—	0.42	PD3S120LDICT-ND	.72	5.60	48.00	PD3S120LDITR-ND	3,000	224.00/M	
13A	10.0	30	22	—	0.45	PD3S130HDICT-ND	.56	4.10	33.00	PD3S130HDITR-ND	3,000	150.00/M	
		40	22	—	0.42	PD3S130LDICT-ND	.72	5.60	48.00	PD3S130LDITR-ND	3,000	224.00/M	
		40	22	—	0.55	PD3S140DICT-ND	.50	3.69	29.70	PD3S140DITR-ND	3,000	135.00/M	
		60	22	—	0.64	PD3S160DICT-ND	.56	4.10	33.00	PD3S160DITR-ND	3,000	150.00/M	
		25	200	1.0	0.45	SBG1025L-T-FDICT-ND	2.14	16.83	142.80	SBG1025L-T-FDITR-ND	800	581.40	
13B	10.0	30	125	1.0	0.55	SBG1030CT-T-FDICT-ND	1.08	8.40	72.00	SBG1030CT-T-FDITR-ND	800	336.00	
		35	125	1.0	0.55	SBG1035CT-T-FDICT-ND	2.23	17.49	148.40	SBG1035CT-T-FDITR-ND	800	604.20	
		40	125	1.0	0.55	SBG1040CT-T-FDICT-ND	2.27	17.82	151.20	SBG1040CT-T-FDITR-ND	800	615.60	
		40	125	1.0	0.55	SBG1040CT-FDI-ND	1.73	16.20	129.60	—	—	—	
		45	125	1.0	0.55	SBG1045CT-T-FDICT-ND	2.31	18.15	154.00	SBG1045CT-T-FDITR-ND	800	627.00	
13B	15.0	35	150	0.1	0.7	MBRB1535CTDICT-ND	2.18	17.16	145.60	MBRB1535CTDITR-ND	800	592.80	
		40	150	0.1	0.7	MBRB1540CTDICT-ND	2.23	17.49	148.40	MBRB1540CTDITR-ND	800	604.20	
		45	150	0.1	0.7	MBRB1545CTDICT-ND	2.27	17.82	151.20	MBRB1545CTDITR-ND	800	615.60	
		30	175	1.0	0.55	SBG1630CTDICT-ND	1.51	11.76	92.96	SBG1630CTDITR-ND	800	604.80	
		30	175	1.0	0.55	SBG1630CT-T-FDICT-ND	2.35	18.48	156.80	SBG1630CT-T-FDITR-ND	800	638.40	
13B	16.0	35	175	1.0	0.55	SBG1635CT-T-FDICT-ND	2.39	18.81	159.60	SBG1635CT-T-FDITR-ND	800	649.80	
		40	175	1.0	0.55	SBG1640CT-FDICT-ND	2.44	19.14	162.40	SBG1640CT-FDITR-ND	800	661.20	
		45	175	1.0	0.55	SBG1645CT-T-FDICT-ND	1.29	10.20	87.00	SBG1645CT-T-FDITR-ND	800	384.00	
		30	225	1.0	0.55	SBG2030CT-T-FDICT-ND	1.68	13.26	113.10	SBG2030CT-T-FDITR-ND	800	499.20	
		35	225	1.0	0.55	SBG2035CT-T-FDICT-ND	2.60	20.46	173.60	SBG2035CT-T-FDITR-ND	800	706.80	
13B	20.0	40	225	1.0	0.55	SBG2040CT-FDICT-ND	1.68	13.26	113.10	SBG2040CT-FDITR-ND	800	499.20	
		45	225	1.0	0.55	SBG2045CT-T-FDICT-ND	1.68	13.26	113.10	SBG2045CT-T-FDITR-ND	800	499.20	
		30	250	1.0	0.55	SBG3030CT-T-FDICT-ND	2.52	19.80	168.00	SBG3030CT-T-FDITR-ND	800	684.00	
		45	250	1.0	0.55	SBG3045CT-T-FDICT-ND	3.61	28.38	240.80	SBG3045CT-T-FDITR-ND	800	980.40	
		50	250	1.0	0.70	SBG3050CT-T-FDICT-ND	3.65	28.71	243.60	SBG3050CT-T-FDITR-ND	800	991.80	
13B	30.0	60	250	1.0	0.70	SBG3060CTDICT-ND	3.86	30.36	257.60	SBG3060CTDITR-ND	800	1048.80	
		60	250	1.0	0.70	SBG3060CT-T-FDICT-ND	3.70	29.04	246.40	SBG3060CT-T-FDITR-ND	800	1003.20	
		40	50	0.5	0.50	SBM340-FDICT-ND	1.94	15.30	130.50	SBM340-FDITR-ND	5,000	479.00/M	
		60	50	0.2	0.63	MBRM360DICT-ND	1.06	8.32	64.00	—	—	—	
		60	50	0.2	0.63	MBRM360-FDICT-ND	2.52	19.80	168.00	MBRM360-FDITR-ND	5,000	765.00/M	
14	3.0	100	50	0.1	0.76	MBRM3100-FDICT-ND	2.56	20.13	170.80	MBRM3100-FDITR-ND	5,000	598.00/M	
		40	100	0.5	0.52	SBM540DICT-ND	1.65	14.30	110.00	—	—	—	
		40	100	0.5	0.52	SBM540-FDICT-ND	2.31	18.15	154.00	SBM540-FDITR-ND	5,000	701.25/M	
		60	100	0.2	0.69	MBRM560DICT-ND	1.50	13.00	100.00	MBRM560DITR-ND	5,000	510.00/M	
		60	100	0.2	0.69	MBRM560-FDICT-ND	2.65	20.79	176.40	MBRM560-FDITR-ND	5,000	803.25/M	
15	0.5	100	100	0.2	0.81	MBRM5100-FDICT-ND	2.69	21.12	179.20	MBRM5100-FDITR-ND	5,000	832.00/M	
		40	150	0.3	0.51	SBM1040-FDICT-ND	2.90	22.77	193.20	SBM1040-FDITR-ND	5,000	879.75/M	
		20	5.5	—	0.300	B0520LW-FDICT-ND	.43	3.06	18.02	B0520LW-FDITR-ND	3,000	68.00/M	
		30	5.5	—	0.375	B0530W-FDICT-ND	.43	3.06	18.02	B0530W-FDITR-ND	3,000	68.00/M	
		40	5.5	—	0.510	B0540W-FDICT-ND	.43	3.06	18.02	B0540W-FDITR-ND	3,000	68.00/M	
15	1.0	30	12	1.0	0.42	B130LAW-FDICT-ND	.67	4.92	39.60	B130LAW-FDITR-ND	3,000	180.00/M	
		40	6.6	0.04	0.55	B140HWDICT-ND	.67	4.92	39.60	B140HWDITR-ND	3,000	180.00/M	
		40	25	1.0	0.320	1N5819HW-FDICT-ND	.43	3.02	18.80	1N5819HW-FDITR-ND	3,000	81.00/M	
		45	1.0	0.001	0.45	SDM10K45-FDICT-ND	.68	5.25	45.00	SDM10K45-FDITR-ND	3,000	58.75/M	
		45	1.0	0.001	0.55	SDM10U45-FDICT-ND	.81	6.30	54.00	SDM10U45-FDITR-ND	3,000	252.00/M	
18	16.0	45	200	8.0	0.55	SBL845DI-ND	1.73	16.20	129.60	—	—	—	
		45	275	16.0	0.63	SBL1645DI-ND	1.98	18.60	148.80	—	—	—	
		10.0	45	250	10.0	0.60	SBL1045CTDI-ND	1.82	17.10	136.80	—	—	—
		16.0	45	250	0.5	0.55	SBL1645CTDI-ND	2.11	19.80	158.40	—	—	—
		20.0	45	250	20.0	0.60	SBL2045CTDI-ND	2.24	21.00	168.00	—	—	—
19	30.0	45	250	1.0	0.55	SBL3045CTDI-ND	2.50	23.40	187.20	—	—	—	
		60	45	500	1.0	0.75	MBR6045PTDI-ND	4.44	40.70	310.80	—	—	—

◆ RoHS Compliant † Tube ‡ Tested at t<sub>s</sub>10ms

**Super Barrier Rectifiers**

Fig.	Max. Avg. Rectified Current (A)	Max. Peak Reverse Voltage (V)	Max. Surge Current 8.3ms (A)	Max. Peak Forward Voltage (V)	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel	
						1	10	100		Qty.	Pricing
9	2.0	30	75	0.46	SBR2M30P1DICT-ND	.48	3.80	26.22	SBR2M30P1DITR-ND	3,000	117.30/M
	2.0	30	75	0.12	SBR2U30P1DICT-ND	.48	3.80	26.22	SBR2U30P1DITR-ND	3,000	117.30/M
	3.0	30	75	0.51	SBR3M30P1DICT-ND	.60	4.68	32.30	SBR3M30P1DITR-ND	3,000	144.50/M
	3.0	30	75	0.20	SBR3U30P1DICT-ND	.60	4.68	32.30	SBR3U30P1DITR-ND	3,000	144.50/M
13B	20	200	180	0.66	SBR20A200CTB-ND	1.50	13.00	100.00	—	—	—
	20	45	180	0.60	SBR20A45CTDI-ND	1.11	9.59	73.75	—	—	—
	20	100	180	0.85	SBR20A100CTDI-ND	1.14	9.91	76.25	—	—	—
	20	150	180	0.91	SBR20A150CTDI-ND	1.20	10.40	80.00	—	—	—
	20	200	180	0.96	SBR20A200CTDI-ND	1.26	10.89	83.75	—	—	—
	30	30	280	0.34	SBR30U30CT-ND	2.61	21.75	182.70	—	—	—
	40	100	235	0.72	SBR40U100CTDI-ND	3.93	36.03	275.10	—	—	—
	40	150	300	0.80	SBR40U150CTDI-ND	4.05	37.13	283.50	—	—	—
	40	200	240	0.89	SBR40U200CTDI-ND	4.20	38.50	294.00	—	—	—
	40	300	235	0.89	SBR40U300CTDI-ND	2.58	24.15	193.20	—	—	—
21	60	60	280	0.46	SBR60A60CT-ND	3.63	33.28	254.10	—	—	—
	60	150	250	0.93	SBR60A150CTDI-ND	4.17	38.23	291.90	—	—	—
	60	200	250	0.96	SBR60A200CTDI-ND	4.38	40.15	306.60	—	—	—
	60	300	235	0.94	SBR60A300CTDI-ND	4.44	40.70	310.80	—	—	—
	0.2	20	5	0.42	SBR0220LPDICT-ND	.50	3.69	29.70	SBR0220LPDITR-ND	3,000	135.00/M
22	0.2	30	5	0.61	SBR02M30LPDICT-ND	.62	4.51	36.30	SBR02M30LPDITR-ND	3,000	165.00/M
	0.2	100	5	0.80	SBR02U100LPDICT-ND	.60	4.68	32.30	SBR02U100LPDITR-ND	3,000	144.50/M
	0.5	20	5	0.50	SBR05U20LPDICT-ND	.67	4.92	39.60	SBR05U20LPDITR-ND	3,000	180.00/M
	2.0	40	50	0.50	SBR2A40P1DICT-ND	.53	3.75	24.64	SBR2A40P1DITR-ND	3,000	100.80/M
	0.5	20	6	0.50	SBR05U20LPDICT-ND	.67	4.92	39.60	SBR05U20LPDITR-ND	3,000	180.00/M
23	0.7	20	7	0.55	SBR07U20LPDICT-ND	.67	4.92	39.60	SBR07U20LPDITR-ND	3,000	180.00/M
	1.0	40	—	0.49	SBR1U40LPDICT-ND	.67	4.92	39.60	SBR1U40LPDITR-ND	3,000	180.00/M

† Tube

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