

SCHOTTKY BARRIER RECTIFIERS

Operating Temperature 20V to 45V, -65°C to +125°C
50V to 60V, -65°C to +150°C

TYPE	INDUSTRY PART NO	PEAK INVERSE VOLTAGE	MAX. AVG. RECT. CURRENT	MAX. FWD SURGE CURRENT 1 CYCLE 60HZ	MAX. FWD VOLTAGE @ TA 25°C @ RATED CURRENT	MAX. REVERSE CURRENT @ 25°C @ RATED PIV	OUTLINE IN INCHES (mm)		
	IND. P/N	P _{IV} (V)	I _o (A)	I _{FSM} (APK)	V _{FM} (V)	I _r (mA)			
1N5817 1N5818 1N5819	1N5817 1N5818 1N5819	20 30 40	1.0	25	0.45 0.55 0.60	1.0	<p>DO41</p>		
SR102 SR103 SR104	SB120 SB130 SB140	20 30 40		40	0.45 0.60 0.65	1.0			
SR105 SR106 SR107 SR108 SR109 SR110	SB150 SB160 — — SB190 SB1100	50 60 70 80 90 100		40 40 50	0.70 0.70 0.79 0.79 0.79	1.0			
1N5820 1N5821 1N5822	1N5820 1N5821 1N5822	20 30 40		80	0.475 0.500 0.525	2.0		<p>DO201AD</p>	
SR302 SR303 SR304 SR305 SR306 SR307 SR308 SR309 SR310	SB320 SB330 SB340 SB350 SB360 — — SB390 SB3100	20 30 40 50 60 70 80 90 100		150	0.50 0.50 0.50 0.74 0.74 0.79 0.79 0.79	2.0			
SR502 SR503 SR504 SR505 SR506 SR507 SR508 SR509 SR510	SB520 SB530 SB540 SB550 SB560 — — SB590 SB5100	20 30 40 50 60 70 80 90 100		150	0.55 0.55 0.55 0.67 0.67 0.79 0.79 0.79	5.0			
SR803 SR804 SR805 SR806	— — — —	30 40 50 60		150	0.62 0.62 0.70 0.70	10.0			
SR10-03 SR10-035 SR10-04 SR10-045 SR10-05 SR10-06 SR10-07 SR10-08 SR10-09 SR10-10	— MBR1035 — MBR1045 MBR1050 MBR1060 — — MBR1090 MBR1010	30 35 40 45 50 60 90 80 90 100		150	0.55 0.55 0.55 0.65 0.65 0.80 0.80 0.80 0.80	5.0			<p>TO-220A</p>
SR16-03 SR16-035 SR16-04 SR16-045 SR16-05 SR16-06	SBL1630 — SBL1640 — — —	30 35 40 45 50 60		150	0.60 0.60 0.60 0.60 0.70 0.70	5.0			
SR30-03 SR30-035 SR30-04 SR30-045 SR30-05 SR30-06	SBL3030 MBR3035 SBL3040 MBR3045 MBR3050 MBR3060	30 35 40 45 50 60		300	0.6 0.6 0.6 0.6 0.7 0.7	5.0			<p>TO-3P</p>
SR40-03 SR40-035 SR40-04 SR40-045 SR40-05 SR40-06	— MBR4035 — MBR4045 MBR4050 MBR4060	30 35 40 45 50 60	300	0.65 0.65 0.65 0.65 0.75 0.75	10.0				
SR60-03 SR60-035 SR60-04 SR60-045 SR60-05 SR60-06	— — — — — —	30 35 40 45 50 60	600	0.65 0.65 0.65 0.65 0.75 0.75	10.0				