

# SCHOTTKY RECTIFIER DIODES, PLASTIC PACKAGE

ISI Part Number	Maximum Average Rectified Current @ $T_c$		Peak Inverse Voltage	Peak Forward Surge Current @ 8.3ms Superimposed	Maximum Fwd Voltage @ Rated $I_F$ & $T_c = 25^\circ\text{C}$	Maximum Reverse Current @ $T_c = 25^\circ\text{C}$		Typical Junction Capacitance at 1.0 MHz		Package Quant	Outline				
	$I_A$ (A)	$T_c$ ( $^\circ\text{C}$ )				PIV (V)	$I_{FSM}$ (Amps)	$V_{FM}$ (Volts)	$I_R$ (mA)		$V_R$ (V)	C (pF)	$V_J$ (V)	Bulk/Reel	inches/millimeters
MBR735 MBR745 MBR750 MBR760	7.5	125	35	150	0.57	0.1	35					<p><b>TO-220A</b></p>			
SRA820 SRA830 SRA840 SRA850 SRA860			8.0		90		20						.650	20	700
							30						.650	30	700
							40						.650	40	700
	50	.750		50		460									
	60	.750		60		460									
MBR1035 MBR1045 MBR1050 MBR1060 MBR1080 MBR10100	15	90	35	150	0.57@125 $^\circ\text{C}$	1.0	0.1	4.0	50/ Tube						
			45		0.57@125 $^\circ\text{C}$		0.1								
			50		0.80		0.15								
			60		0.80		0.15								
			80		0.80		0.1								
			100		0.80		0.1								
SRA1620 SRA1630 SRA1640 SRA1650 SRA1660	16	90	20	150	0.65	1.0	20	4.0	50/ Tube						
			30		0.65		30					700			
			40		0.65		40					700			
			50		0.75		50					460			
			60		0.75		60					460			
MBR1535CT MBR1545CT MBR1550CT MBR1560CT	15	125	35	150	0.84	1.0	35	4.0							
			45		0.84		45					500			
			50		0.75@7.5A		50					500			
			60		0.75@7.5A		60					500			
SR1620 SR1630 SR1640 SR1650 SR1660	16	90	20	150	0.65	1.0	20	4.0	50/ Tube						
			30		0.65		30					700			
			40		0.65		40					700			
			50		0.75		50					460			
			60		0.75		60					460			
SR3035 SR3040 SR3045 SR3050	30	157	35	600	.660	0.5	35	890	5.0						
			40									40			
			45									45			
			50									50			
FST5080 FST5090 FST50100	50	134	80	700	.620	0.5	80	920	5.0						
			90									90			
			100									100			