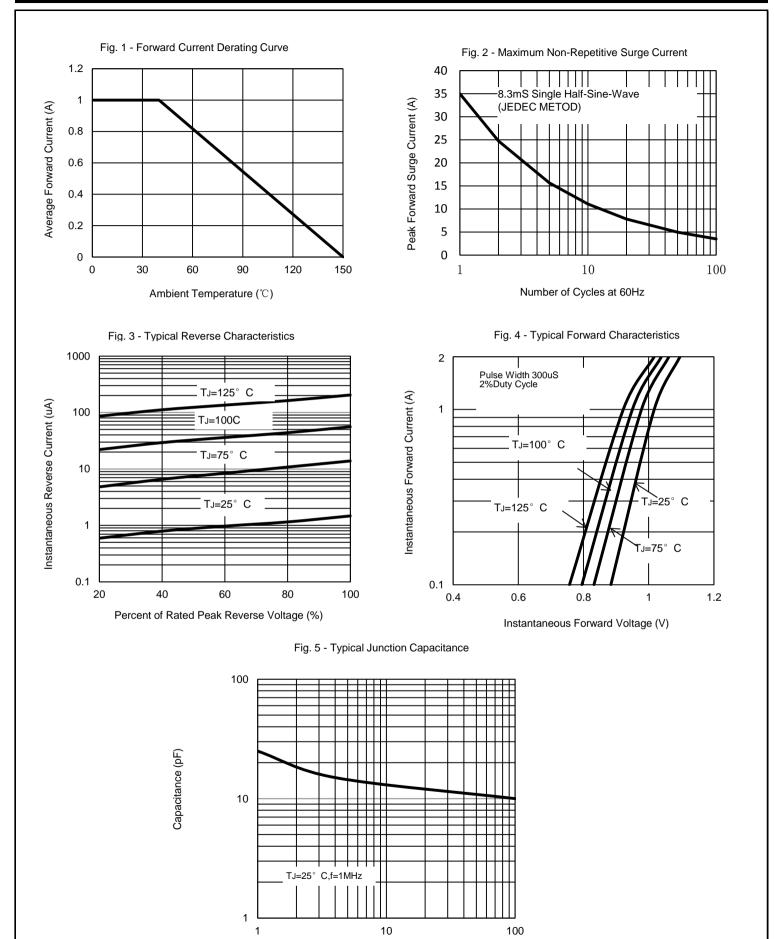


B105S THRU B110S

Surface Mount Glass Passivated Bridge Rectifiers			Reverse Voltage - 50 to 1000 Volts							
			Forward Current - 1.0 Amperes							
 Features Glass passivated chip Ideal for automatic placement High surge forward current capability Reliable low cost construction utilizing molded plastic technique Lead tin plated copper AEC-Q101 qualified Mechanical Data Polarity: Symbol marked on body Mounting position: Any 			MBS							
 Applications General purpose use in AC/DC bridge full wave rectification, for SMPS, lighting ballaster, adapter, etc. 				193 (4.9) 177 (4.5)				2 • •		
	Package Outline Dimensions in Inches (Millimeters)									
Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.										
Characteristics	Symbol	B105S	B11S	B12S	B14S	B16S	B18S	B110S	Unit	
Maximum Repetitive Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V	
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V	
Maximum Average Forward Rectified Current @Ta=40 $^\circ \!$	l(AV)	1						А		
Peak Forward Surge Current, 8.3mS Single Half Sine-Wave, Superimposed on Rated Load (JEDEC Method)	IFSM	35							А	
I ² t Rating for Fusing (t<8.3mS)	l ² t	5.08						A ² s		
Peak Forward Voltage per Diode at 1.0A DC	VF	1.1						A ² s		
Maximum DC Reverse Current at Rated @TJ=25°C	1-	5.0						μA		
DC Blocking Voltage per Diode @TJ=125℃	IR		500							
Typical Junction Capacitance per Diode (Note2)	CJ	15							pF	
Typical Thermal Resistance Junction to Ambient	Reja	75							°C/W	
Operating Junction Temperature Range	TJ	-55 to +150							°C	
Storage Temperature Range	Tstg	-55 to +150							°C	
Notes: 1.Mounted on P.C. board. 2. Measured at 1.0 MHz and applied reverse voltage of 4.0V DC. 3.The typical data above is for reference only										

Rating and Characteristic Curves B105S THRU B110S







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