

## **B1SS Thru B10SS**

#### High Current Glass Passivated Molding Single-Phase Bridge Rectifier

#### Reverse Voltage 100 to 1000V Forward Current 0.8 A

#### **FEATURES**

- Plastic Package has Underwriters Laboratory Flammability Classification 94V-0
- I High current capacity with small package
- I Glass passivated chip junctions
- I Superior thermal conductivity
- I High IFSM



### 1. Maximum & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

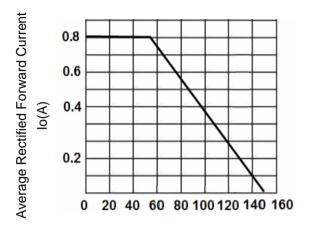
Parameter Symbol	Symbol	B1SS	B2SS	B4SS	B6SS	B8SS	B10SS	Unit
Maximum repetitive voltage	VRRM	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	100	200	400	600	800	1000	V
Maximum DC reverse current TA=25 °C	IR 5							
at rated DC blocking voltage TA=125°C	500							— μA
Average rectified forward current 60Hz Sine	lo	0.0						А
wave Resistance load with Ta=55°C	lo 0.8							
Peak forward surge current 8.3ms single half	IFSM 30							Α
sine-wave superimposed on rated load							A	
Rating of fusing (t<8.3ms)	l <sup>2</sup> t	5						A <sup>2</sup> sec
Max instantaneous forward voltage at 0.5A	VF	1.05						V
Thermal Resistance								
Between junction and ambient	$R_{\theta J\text{-}A}$	90						°C/W
Between junction and lead	$R_{\theta J\text{-}L}$	40						
Operating junction temperature	TJ	-55~150						°C
Storage temperature	Tstg	-55~150						$^{\circ}\!\mathbb{C}$



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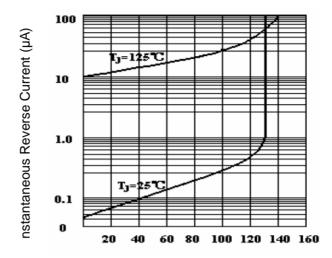
#### 2. Ratings and Characteristic Curves (TA = 25°C unless otherwise noted)

Fig. 1 Derating Curve



Case Temperature Ta(°C)

Fig.2 Typical Reverse Characteristics



Percent of Rated Peak Reverse Voltage%

Fig.3 Forward Voltage

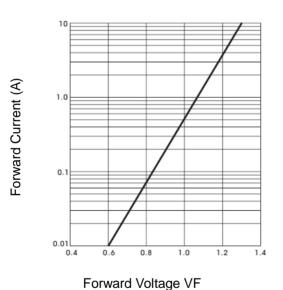
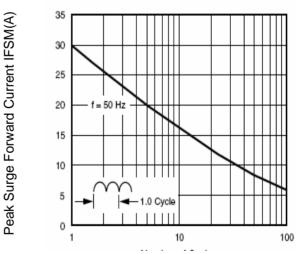


Fig.4 Peak Surge Forward Capability

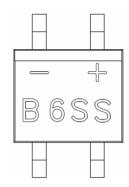


Number of Cycles



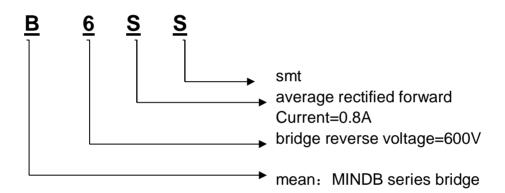
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### 3. Marking Identification



#### Note:

型号:



#### 4. Dimension

