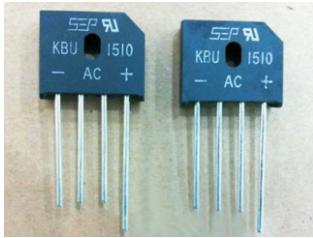


**Bridge Rectifier**



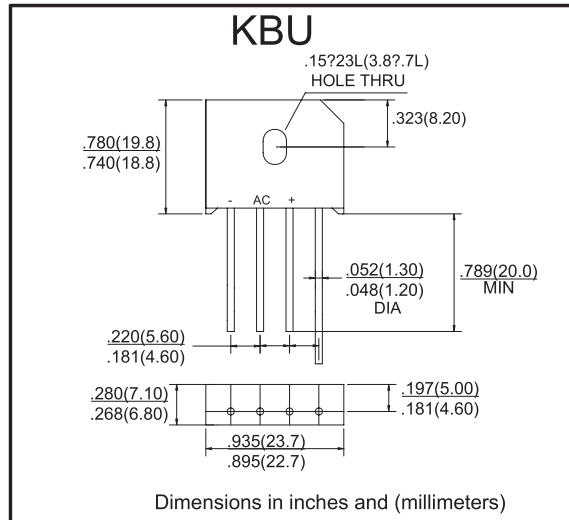
**Features**

$I_o$  : 15A  
 $V_{RRM}$  : 50V~1000V  
 Glass passivated chip  
 High surge forward current capability

**Applications**

General purpose 1 phase Bridge rectifier applications

**Outline Dimensions and Mark**



■ **极限值 (绝对最大额定值)**

**Limiting Values(Absolute Maximum Rating)**

参数名称 Item	符号 Symbol	单位 Unit	条件 Conditions	KBU						
				005	01	02	04	06	08	10
反向重复峰值电压 Repetitive Peak Reverse Voltage	$V_{RRM}$	V		50	100	200	400	600	800	1000
平均整流输出电流 Average Rectified Output Current	$I_o$	A	60Hz 正弦波, 电阻负载, $T_c=55^\circ\text{C}$ 60Hz sine wave, R- load, $T_c=55^\circ\text{C}$	15						
正向 (不重复) 浪涌电流 Surge(Non-repetitive)Forward Current	$I_{FSM}$	A	60Hz正弦波, 一个周期, $T_a=25^\circ\text{C}$ 60Hz sine wave, 1 cycle, $T_a=25^\circ\text{C}$	250						
正向浪涌电流的平方对电流浪涌持续时间的积分值 Current Squared Time	$I^2t$	$\text{A}^2\text{s}$	1ms ≤ t < 8.3ms $T_j=25^\circ\text{C}$ , 单个二极管 1ms ≤ t < 8.3ms $T_j=25^\circ\text{C}$ , Rating of per diode	260						
存储温度 Storage Temperature	$T_{stg}$	$^\circ\text{C}$		-55 ~ +150						
结温 Junction Temperature	$T_j$	$^\circ\text{C}$		-55 ~ +150						

■ **电特性 (  $T_a=25^\circ\text{C}$  除非另有规定 )**

**Electrical Characteristics (  $T_a=25^\circ\text{C}$  Unless otherwise specified )**

参数名称 Item	符号 Symbol	单位 Unit	测试条件 Test Condition	最大值 Max
正向峰值电压 Peak Forward Voltage	$V_{FM}$	V	$I_{FM}=7.5\text{A}$ , 脉冲测试, 单个二极管的额定值 $I_{FM}=7.5\text{A}$ , Pulse measurement, Rating of per diode	1.1
反向峰值电流 Peak Reverse Current	$I_{RRM}$	$\mu\text{A}$	$V_{RM}=V_{RRM}$ , 脉冲测试, 单个二极管的额定值 $V_{RM}=V_{RRM}$ , Pulse measurement, Rating of per diode	10
热阻 Thermal Resistance	$R_{\theta\text{ J-C}}$	$^\circ\text{C/W}$	结和外壳之间 Between junction and case	3 <sup>(1)</sup>

说明 ( Notes ) :

- ( 1安装在铝板散热器上。
- ( 1Units Mounted on a aluminum plate heat sink.

**Bridge Rectifier**

■ 特性曲线 ( 典型 ) Characteristics(Typical)

图1 : Io-T 曲线  
FIG1:Io-T Curve

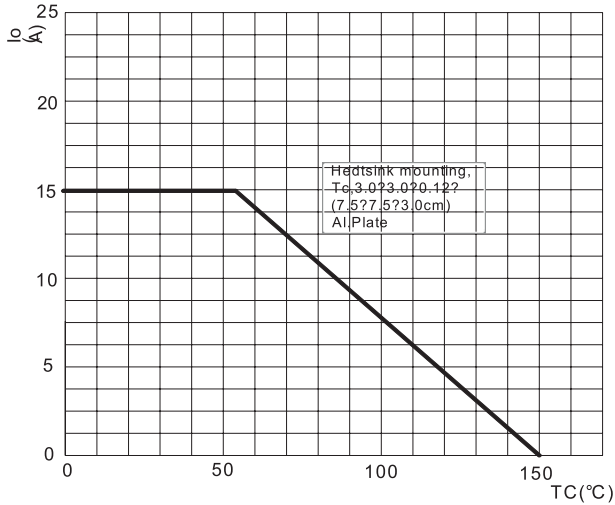


图2 : 耐正向浪涌电流曲线  
FIG2:Surge Forward Current Capadility

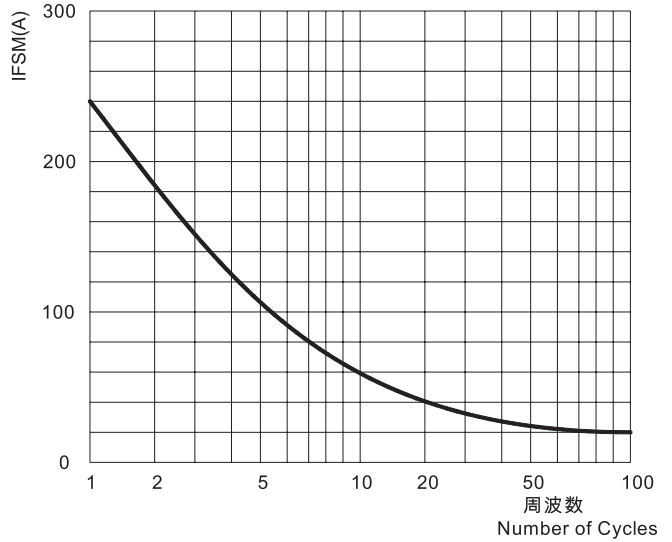


图3 : 正向电压曲线  
FIG3:Instantaneous Forward Voltage

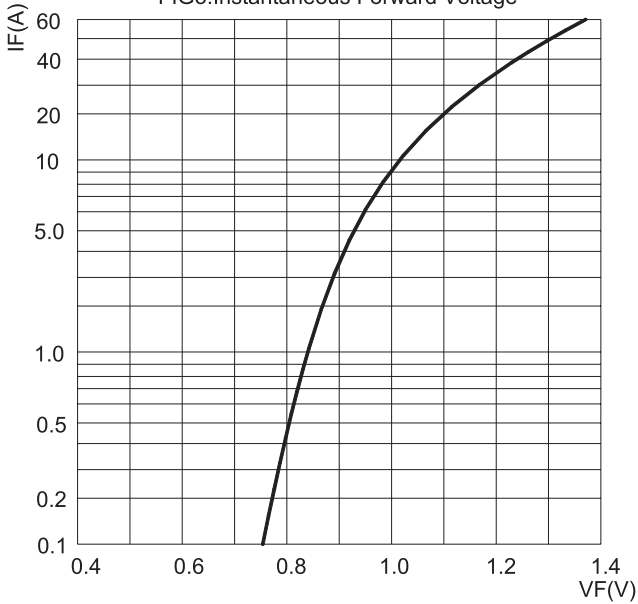


图4 : 反向电流曲线  
FIG4:Typical Reverse Characteristics

