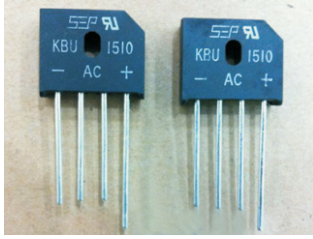


Bridge Rectifier



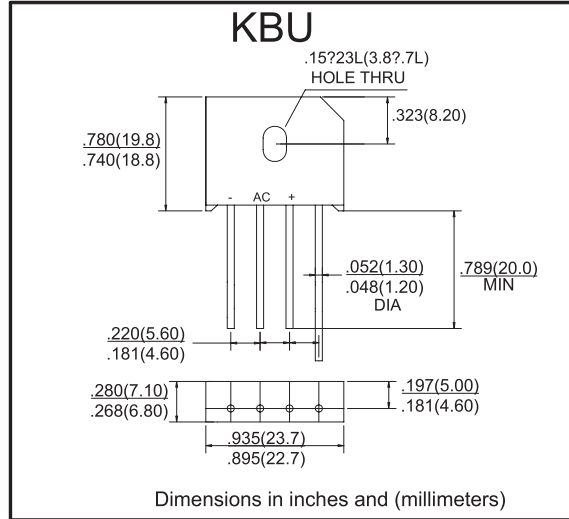
Features

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	A^2s	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}	μA	$V_{RM}=V_{RRM}$, 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 ⁽¹⁾

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

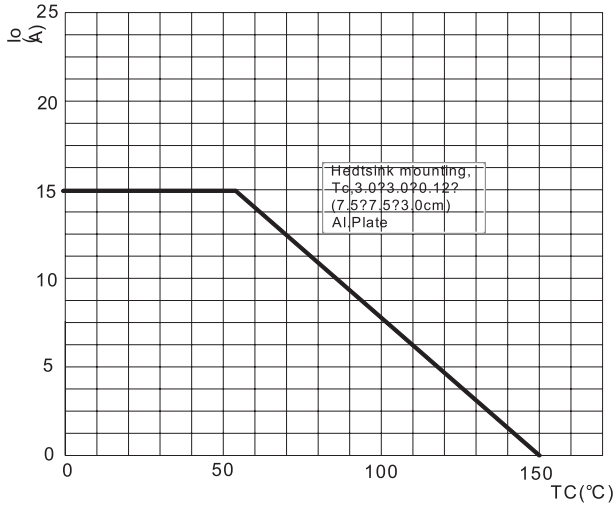


图2 : 耐正向浪涌电流曲线
FIG2: Surge Forward Current Capadility

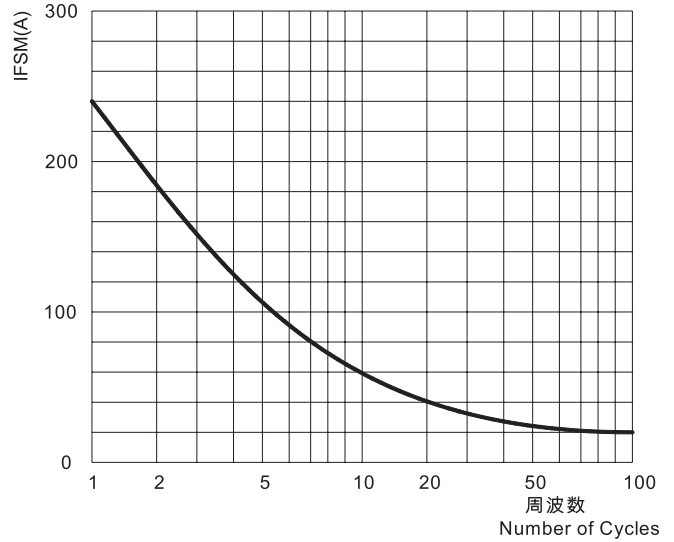


图3 : 正向电压曲线
FIG3: Instantaneous Forward Voltage

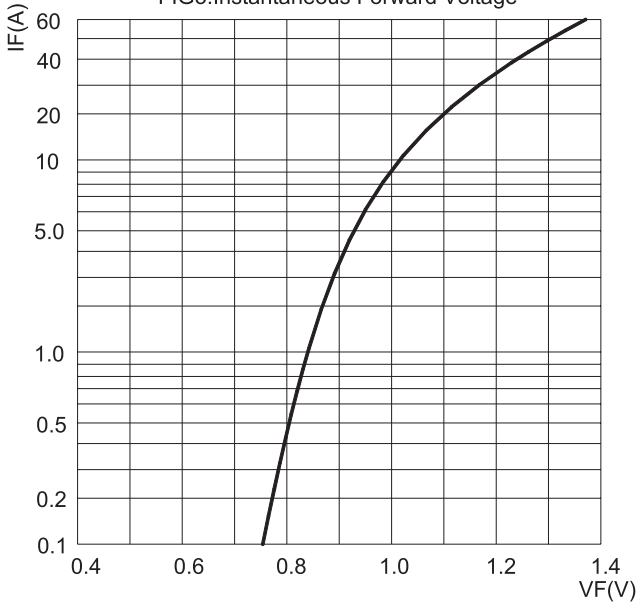


图4 : 反向电流曲线
FIG4: Typical Reverse Characteristics

