

2A-1000V 单相玻璃钝化整流桥

2A-1000V Single Phase Glass Passivated Bridge Rectifier

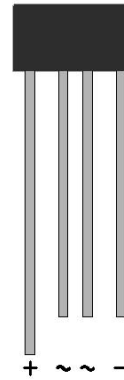
■特征 Features

- 玻璃钝化芯片
Glass passivated chip
- 低反向漏电流
Low reverse leakage current
- 高耐浪涌电流能力
High surge current capability
- UL 档案编号# E249161
UL recognized file # E249161
- 符合 RoHS 指令 2011/65/EU
Compliant to RoHS directive 2011/65/EU

关键参数 KEY PARAMETERS		
参数 PARAMETER	数值 VALUE	单位 UNIT
$I_{F(AV)}$	2	A
V_F	0.95	V
V_{RRM}	1000	V
Package	WOB	

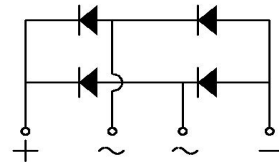
■应用范围 Applications

- 家用电器
Household electric appliances
- 工业电源
Industrial power supply
- 开关式电源
Switching mode power supply
- 通用单相桥式整流桥
General purpose single phase bridge rectifier



■机械参数 Mechanical Data

- 本体：灌封
Case : Embedment
- 极性：极性符号铸在管体上
Polarity: Polarity symbols being marked on body
- 重量：约 0.85 克
Weight : About 0.85 grams



■最大额定值 Maximum Ratings @ Ta = 25°C unless otherwise noted

特征/测试条件 Characteristic / Test Conditions	符号 SYMBOL	典型值 TYP	单位 UNIT
反向重复峰值电压 Maximum recurrent peak reverse voltage	VRRM	1000	V
最大平均正向电流 Maximum Average Forward Current	$I_{F(AV)}$	2	A
最大正向浪涌电流, 8.3ms 正弦半波 Peak surge forward current, 8.3ms single half sine-wave superimposed on rated load	IFSM	60	A
结温、存储温度 Operating and Storage Temperature Range	TSTG	-55 ~ +150	°C
耐焊接热, 高温持续 10 秒 Resistance to Soldering Heat, Lead Temperature for 10 Sec	TL	260	°C

■ 电性特性 Electrical Characteristics @ Ta = 25°C unless otherwise noted

特征/测试条件 Characteristic / Test Conditions	符号 SYMBOL	典型值 TYP	最大值 MAX	单位 UNIT
正向峰值电压 Peak Forward Voltage	VF	0.95	1.05	V
VR=VRRM, 脉冲测试, 单个二极管的额定值 VR=VRRM, Pulse measurement Rating of per diode	IR	Tj=25°C	10	μA
		Tj=150°C	500	

■ 热特性 Thermal Characteristics @ Ta = 25°C unless otherwise noted

特征/测试条件 Characteristic / Test Conditions	符号 SYMBOL	最大值 MAX	单位 UNIT
结到管壳的热阻, 有散热片 Junction to case Thermal Resistance, with heat sink	RθJC	32	°C/W

■ 特性曲线 Characteristic Curve

FIG.1. Derating Curve For Output Rectified Current

图 1. 电流降额曲线

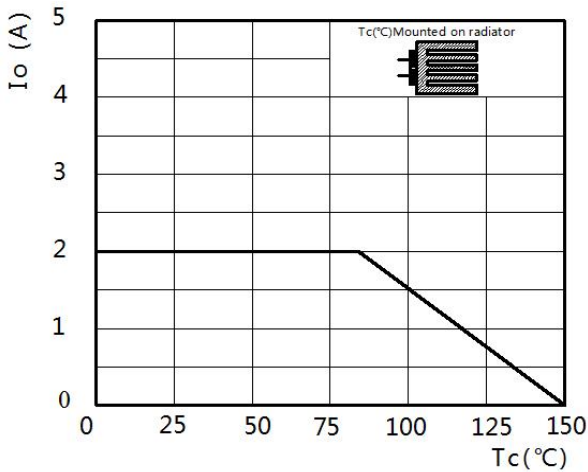


FIG3. Typical Reverse Characteristics Per Bridge Element

图 3. 典型反向特性

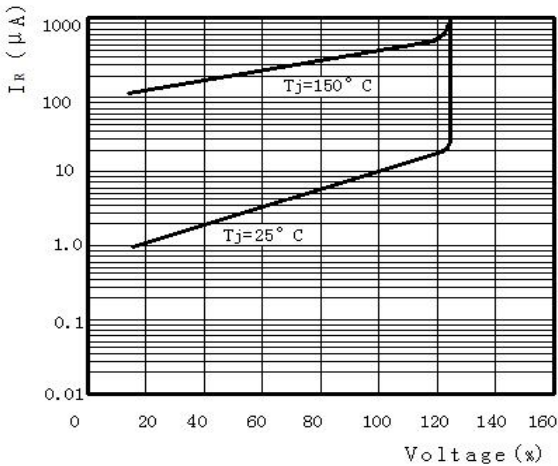


FIG.2. Maximum Non-Repetitive Peak Forward Surge Current Per Bridge Element

图 2. 最大正向不重复峰值浪涌电流

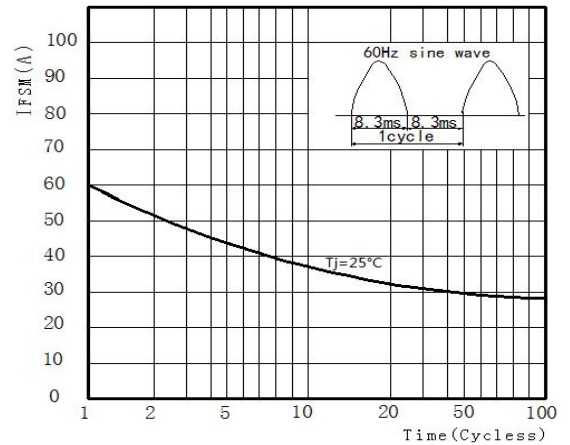
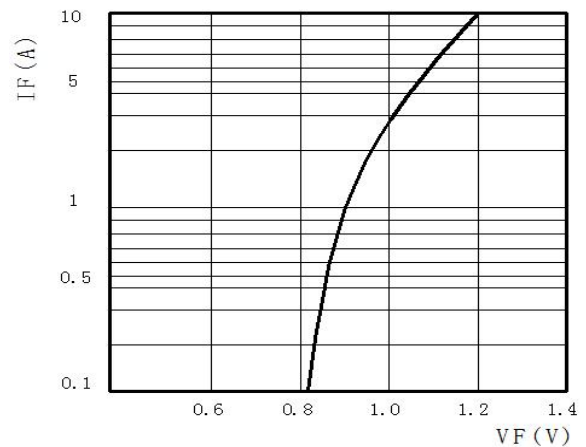


FIG4. Typical Forward Characteristics Per Bridge Element

图 4. 典型正向特性



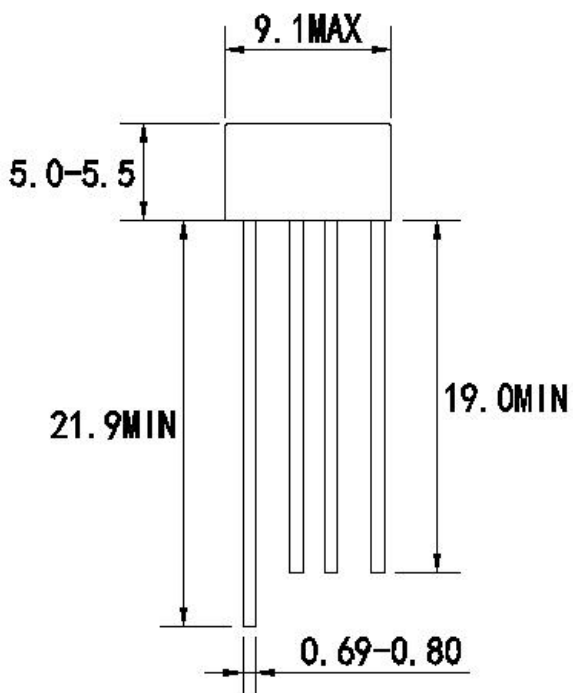
■ 标记图 Marking Diagram



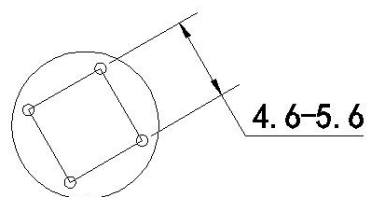
2W10G：标识代码

■ 尺寸图 Dimension Drawing

单位：mm



引脚间距



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