

高电流玻璃钝单相桥式整流器

HIGH CURRENT GLASS PASSIVATED SINGLE_PHASE
BRIDGE RECTIFIER

特 点

FEATURES

The plastic package has Underwriters Laboratory
flammability recognition 94V-0

塑封外壳已经 UL 可燃性认证 94V_0 E348695

Integrally molded heatsink provide very low thermal
resistance for maximum heat dissipation

合并塑封的散热片，热阻抗低，散热量大

Universal 3_way terminals; snap_on, wire wrap
_around, or P.C. Board mounting

通用 3_路端子；搭锁，引线缠绕或 PC 板安装

Surge overload ratings to 400 Amperes

浪涌过载额定值达 400 安培

High temperature soldering guaranteed:

260°C/10 seconds at 5lbs., (2.3kg)tension

高温焊接保证：260°C/10 秒，拉力，2.3kg。

机械数据

MECHANICAL DATA

Case: Molded plastic with heatsink integrally

Mounted in the bridge encapsulation

外壳：塑料与散热片一起封在桥壳内

Terminals:Nickelplated.25 " (6.35mm) Faston lugs

端子：镀镍 0.25 " (6.35mm) 接线端子

Mounting position: Bolt doen on heat_sink with

Silicone thermal compound between bridge and

Mounting surface for maximum heat transfer

efficiency. with number 5 screw

安装位置：用 M5 螺丝固定在散热片上，桥和安

装表面之间填充硅热混合物以达到最佳的散热

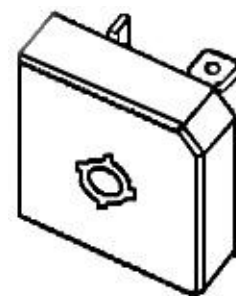
效果

polarity: polarity symbols molded on body

极性：极性符号铸在管体上

Weight: 19.0 grams

重量：19.0 克



SVB-4

最大额定值
Absolute MAX rating

Item 项 目	Symbol 符 号	Conditions 条 件	Ratings 额定值	Unit 单 位
Storage temperature 贮存温度	Tstg		-40~150	°C
Operating junction Temperature 结 温	T _J		150	°C
Max reverse voltage 最大反向电压	V _{RM}			
S50VB20			200	V
S50VB40			400	V
S50VB60			600	V
S50VB80			800	V
S50VB100			1000	V
Average rectified forward current 平均正向整流电流	I _O	50Hz Sine wave resistance load T _c =85°C 50Hz 正弦波电阻负载	50	A
Peak Surge forward Current 浪涌电流	I _{FSM}	Non-repetitive 50Hz 10ms Sine wave T _j =25°C 不重复 50Hz 10ms 正弦波	400	A
Dielectric strength 绝缘强度	V _{dia}	Terminals to case AC 1 minute 端子与管壳间 AC 1 分钟	2	KV

电性特征
Electrical characteristics TA=25°C

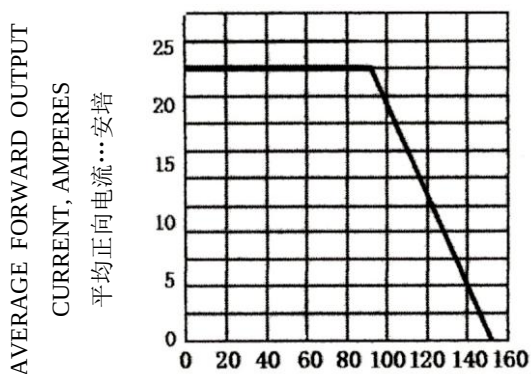
Forward Voltage 正向电压	V _F	I _F =25A	Max 1.05	V
Reverse current 反向漏电流	I _R	V _R =V _{RM}	Max 10	μ A
Thermal reslstance 热 阻	Q _{JC}	Junction to Case 结点管壳间	Max 1.5	°C/W

特性曲线

RATONG and characteristic

FIG.1 DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

电流降额曲线

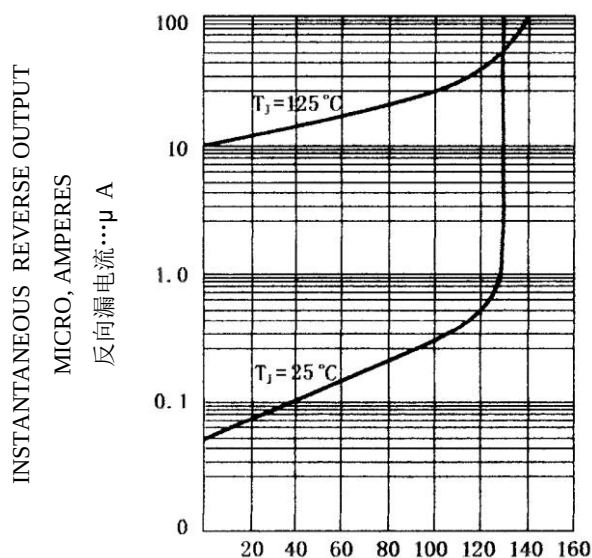


AMBIENT TEMPERATURE °C

环境温度 °C

FIG.4 TYPICAL REVERSE
CHARACTERISTICS
PER BRIDGE ELEMENT

典型反向特性



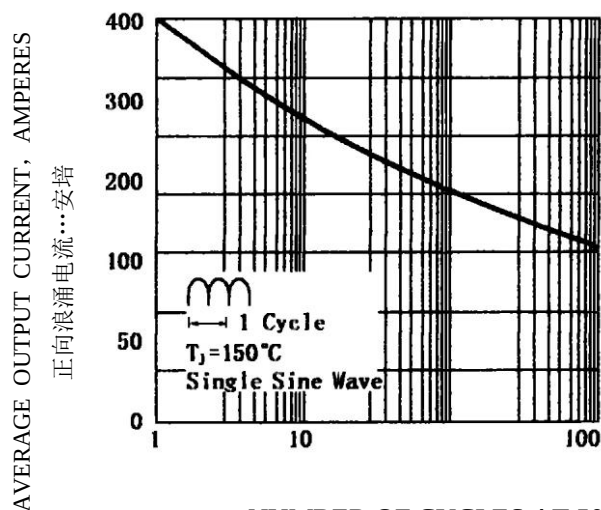
PERCENT OF RATED PEAK

REVERSE VOLTAGE %

反向击穿电压额定值百分数%

FIG.2 MAXIMUM NON-REPETITIVE
PEAK FORWARD SURGE CURRENT
PER BRIDGE ELEMENT

最大正向不重复峰浪涌电流

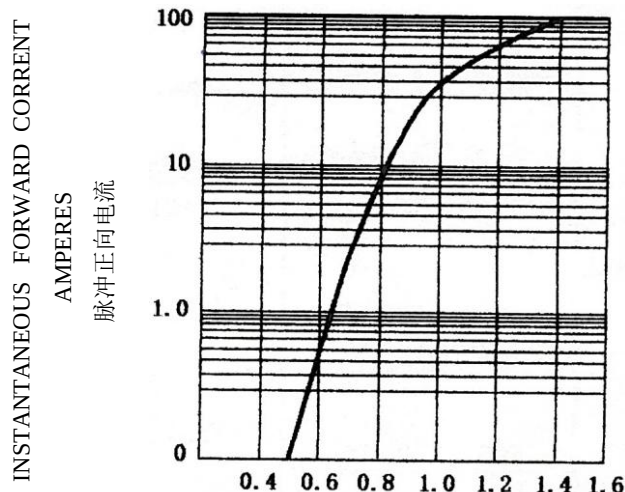


NUMBER OF CYCLES AT 50 Hz

50Hz 频数

FIG.3 TYPICAL REVERSE
CHARACTERISTICS
PER BRIDGE ELEMENT

典型正向特性



FORWARD VOLTAGE, VOLTS

正向电压

外形图

