

特 点

高电流玻璃钝单相桥式整流器

FEATURES

HIGH CURRENT GLASS PASSIVATED SINGLE_PHASE BRIDGE RECTIFIR

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

外壳已经 UL 可燃性认证 94V_0

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

铝散热片，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

Glass passivated chip junctions

玻璃钝芯片结

High temperature soldering guaranteed:

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

高温焊接保证： 300°C/10 秒， 拉力， 2 3kg。

机械数据**MECHANICAL DATA**

Terminals:Nickelplated.025 " (6.35mm) Faston lugs

端子：镀镍 0.025 " (6.35mm) 接线端子

Mounting position: Bolt down 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: 12 grams

重量： 12 克

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	T _{stg}		-40~150	°C
Operating junction Temperature 结 温	T _J		150	°C
Max reverse voltage 最大反向电压	V _{RM}			
GBPC3502			200	V
GBPC3504			400	V
GBPC3506			600	V
GBPC3508			800	V
GBPC3510			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	35	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 =17.5A	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

■ Ordering Information (Example)

PREFERRED P/N	PACKAGE CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
GBPC35005~GBPC3510	A1	Approximate 13.8	50	50	500	Paper Box
GBPC35005W~GBPC3510W	A1	Approximate 13	50	50	500	Paper Box

■ Characteristics (Typical)

FIG1:Io-Tc Curve

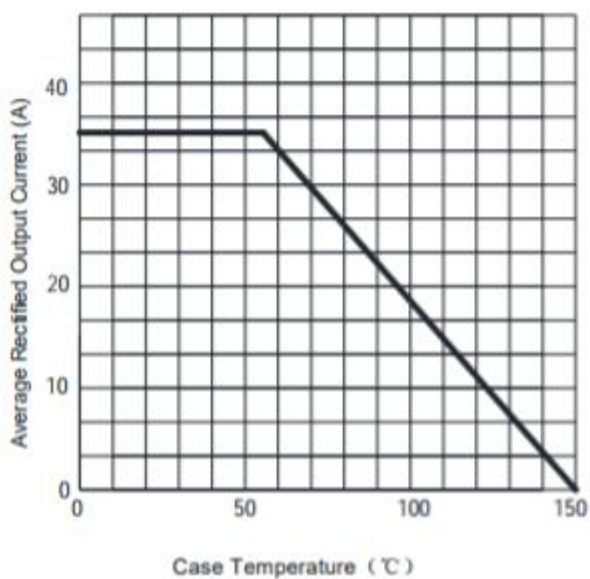


FIG2: Surge Forward Current Capability

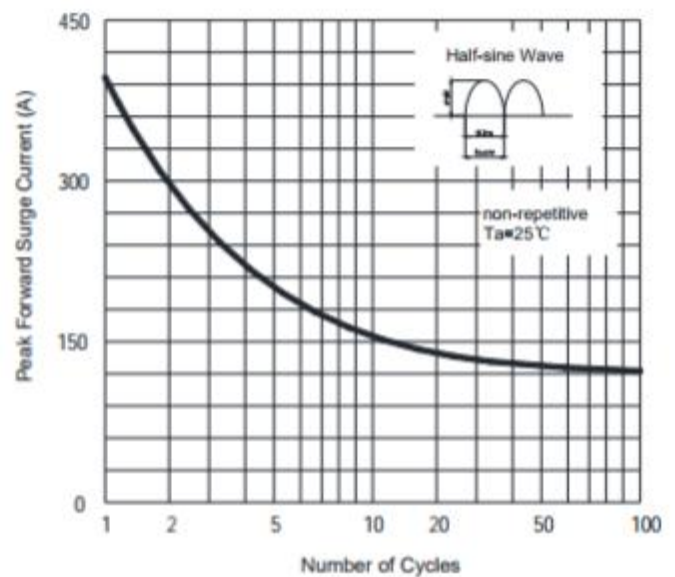


FIG3: Instantaneous Forward Voltage

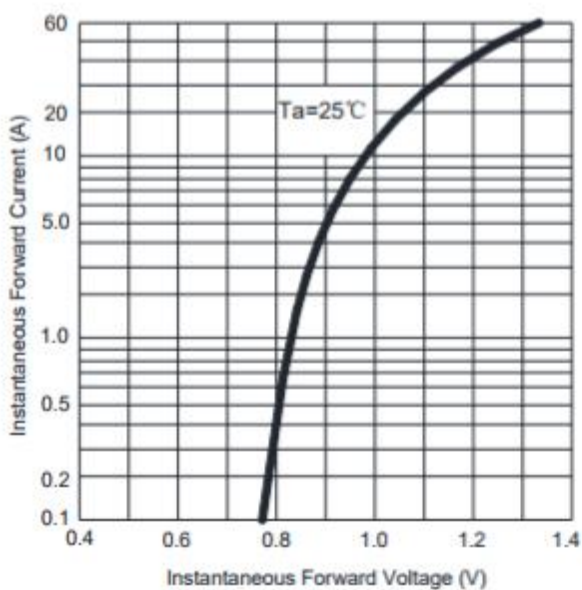
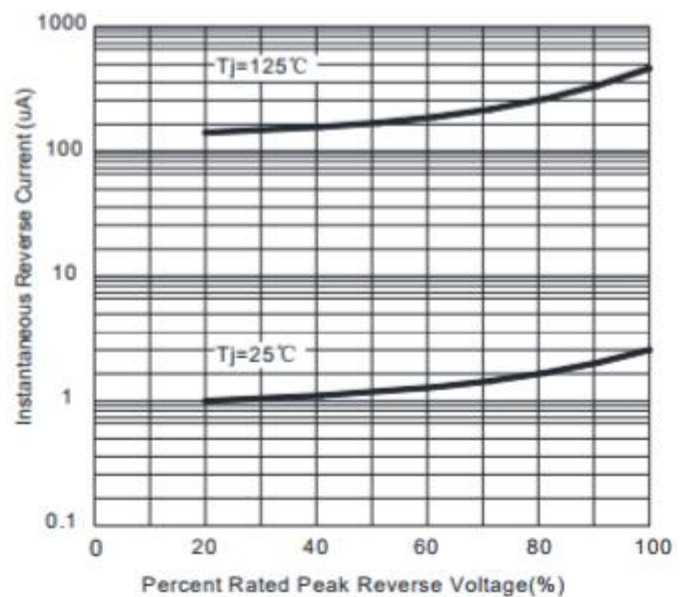
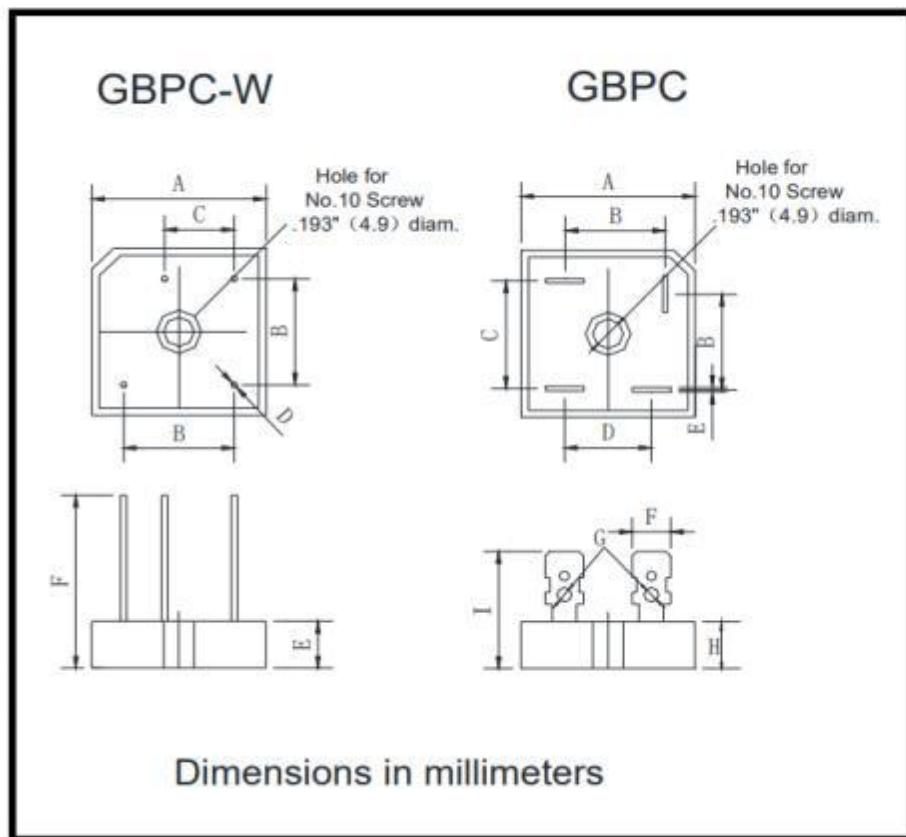


FIG4: Typical Reverse Characteristics



外型尺寸



GBPC-W		
Dim	Min	Max
A	28.2	28.8
B	17.1	19.1
C	10.4	12.4
D	0.95	1.05
E	7.6	8.2
F	30	

GBPC		
Dim	Min	Max
A	28.2	28.8
B	15.3	17.3
C	17.1	19.1
D	13.2	15.2
E	0.75	0.85
F	6.2	6.4
G	2.2	2.6
H	7.6	8.2
I	19	/

