



DB101GS THRU DB107GS

SINGLE PHASE GLASS PASSIVATED SMD BRIDGE RECTIFIERS

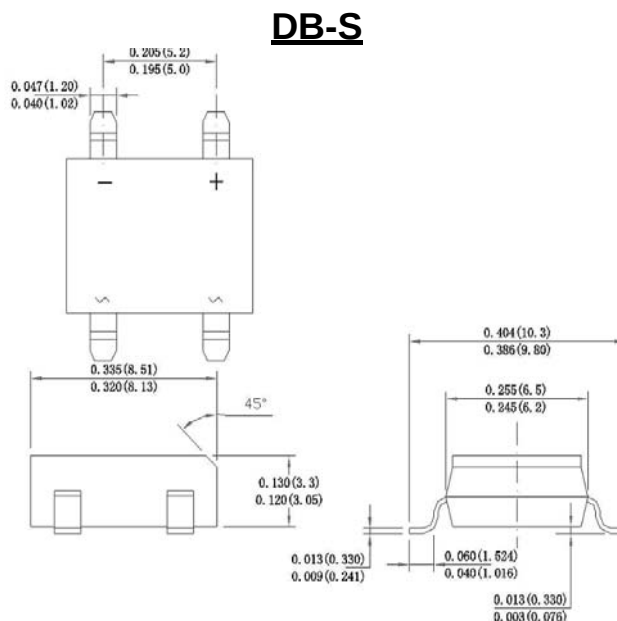
特征 FEATURES

- .理想表面粘贴安装. Ideal for surface mounted applications
- .易拿易放.Easy pick and place
- .低漏电. Low leakage current
- .高浪涌承受能力.High surge current capability
- .高温焊接保障:250℃/10S.375", (9.5mm)引线长度.
- High temperature soldering guaranteed:
250℃/10 seconds/.375", (9.5mm) lead lengths

机械数据 MECHANICAL DATA

- .封装:模塑 DB-S 封装.Case: Molded plastic DB-S
- .封装材料:用 UL94V-0 认可的阻燃环氧材料料.
- Epoxy: UL94V-0 rate flame retardant
- .端子:镀锡端子可焊接性符合 MIL-STD-750,方法 2026.
- Terminals: Plated terminals, solderable per
MIL-STD-750, method 2026
- .极性:见标识. Polarity: As marked
- .安装:位置任意. Mounting position: Any

重量:1.0g. Weight: 1.0grams



Dimension in inches (millimeters)

极限值和电参数 TA= 25℃除非另有规定. 单相,正半弦波,60HZ,阻抗或电感负载.为电容装载,减少电流的 20%

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ Ambient temp. Unless otherwise specified.Single phase, half sine wave, 60HZ,resistive or inductive load.
For capacitive load, derate current by 20%

	SYMBOL	DB101GS	DB102GS	DB103GS	DB104GS	DB105GS	DB106GS	DB107GS	UNITS
最大峰值反向电压 Maximum Current Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volts
最大反向有效电压 Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	Volts
最大直流阻断电压 Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	Volts
最大正向平均整流电流 $T_L=40^{\circ}\text{C}$ Maximum Average Forward Rectified Current	I(AV)	1.0							Amps
正向峰值浪涌电流 Peak Forward Surge Current 8.3ms Single Sine-wave on Rated Load (JEDEC Method)	IFSM	50							Amps
1.0A 直流电时最大正向瞬间电压降 Maximum Instantaneous Forward Voltage Drop at1.0A DC	VF	1.1							Volts
最大反向漏电流 Maximum DC Reverse Current $T_A=25^{\circ}\text{C}$ at Rated DC Blocking Voltage $T_A=125^{\circ}\text{C}$	IR	10 500							uA
典型结电容 Typical Junction Capacitance (NOTE 1)	CJ	25							pF
典型热阻抗 Typical Thermal Resistance (NOTE 2)	RθJA	20							℃/W
工作温度存储温度 Operating AND Storage Temperature Range	TSTG/ TJ	-55 to +150							℃

NOTE: 1.Measured at 1 MHz and Applied Reverse Voltage of 4.0 Volts D.C.

2.Thermal Resistance from Junction to Ambient and from junction to lead mounted on P.C.B with 0.5" x 0.5"(13mmx13mm) Copper Pads.



FIG. 1 –最大正向平均电流降额

FIG. 1 –MAXIMUM AVERAGE FORWARD CURRENT DERATING

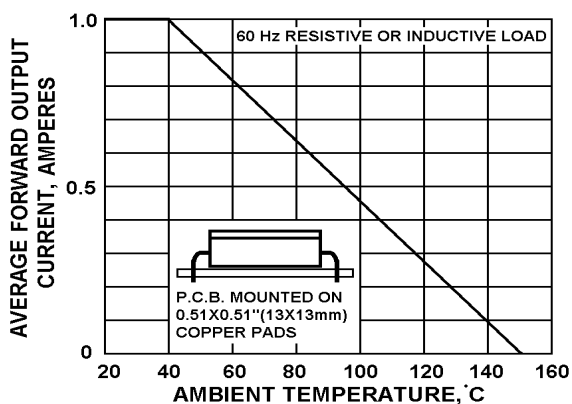


FIG. 2 –最大非重复正向浪涌电流

FIG. 2 –MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

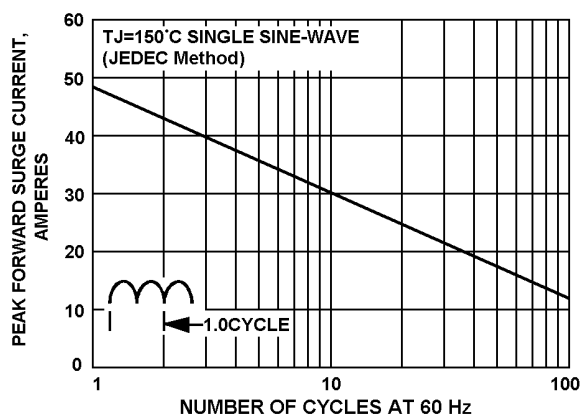


FIG. 3 –反向特性曲线(典型)

FIG. 3 –TYPICAL REVERSE CHARACTERISTICS

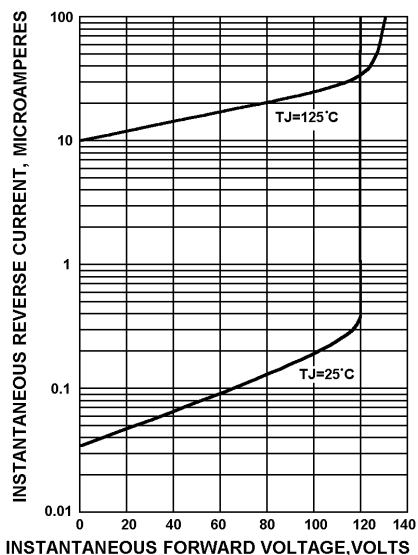


FIG. 4 –正向特性曲线(典型)

FIG. 4 –TYPICAL FORWARD CHARACTERISTICS

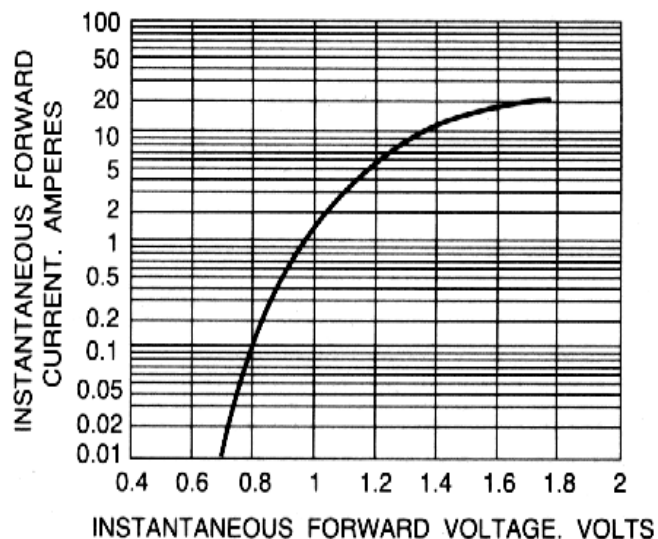


FIG. 5 –结电容特性曲线

FIG. 5 –TYPICAL JUNCTION CAPACITANCE

