2A SURFACE MOUNT GLASS PASSIVATED BRIDGE RECTIFIER
2A表面贴装桥式整流器

FEATURES: 特征

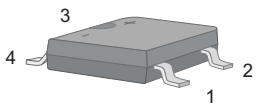
- Glass Passivated Chip Junction 玻璃钝化芯片
- Reverse Voltage - 100 to 1000 V 反向电压
- Forward Current - 2 A 电流
- High Surge Current Capability 高浪涌电流承受能力
- Designed for Surface Mount Application
  表面贴装应用

MECHANICAL DATA 机械数据

- Case: ABS/LBF 封装：ABS
- Approx. Weight: 88mg 0.0031oz
  重量：88mg

PINNING

PIN	DESCRIPTION
1	Input Pin (~)
2	Input Pin (~)
3	Output Anode (+)
4	Output Cathode (-)



ABS/LBF Package

Maximum Ratings and Electrical characteristics 极值和电子特性

Ratings at 25 °C ambient temperature unless otherwise specified. TA = 25℃ 除非另有规定。
Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

Parameter	Symbols	ABS201	ABS202	ABS204	ABS206	ABS208	ABS210	Units
反向重复峰值电压	V_{RRM}	100	200	400	600	800	1000	V
均方根电压	V_{RMS}	70	140	280	420	560	700	V
直流阻值电压	V_{DC}	100	200	400	600	800	1000	V
正向平均整流电流 at T_c = 115 °C	I_O	2.0						A
正向浪涌峰值电流	I_{FSM}	50						A
正向电压 @I_F=2.0A	V_F	1.0						V
反向峰值漏电流 @T_A=25 °C @T_A=125 °C	I_R	5.0 100						μA
结电容 (Note1)	C_j	25						pF
热阻（结到环境） (Note2) （结到管壳）	$R_{\theta JA}$ $R_{\theta JC}$	60 16						°C/W
结温，存储温度	T_j, T_{stg}	-55 ~ +150						°C

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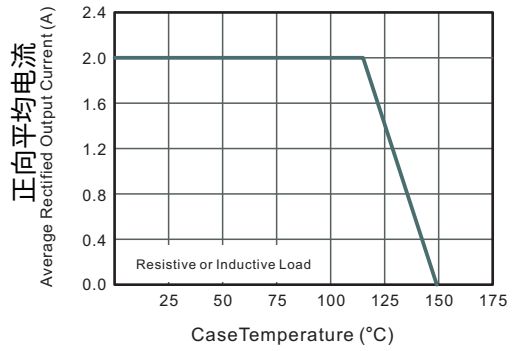
Note: 1. Measured at 1MHz and applied reverse voltage of 4 V D.C.
2. Mounted on glass epoxy PC board with 4×1.5"×1.5" (3.81×3.81 cm) copper pad.

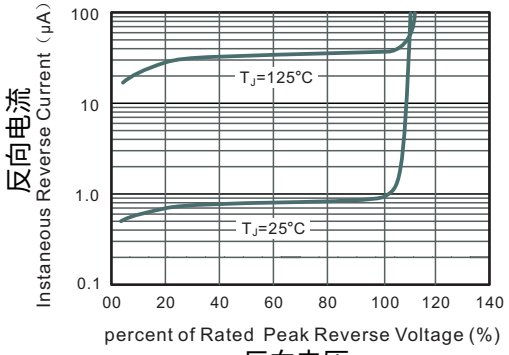
正向降额曲线

Fig.1 Average Rectified Output Current Derating Curve



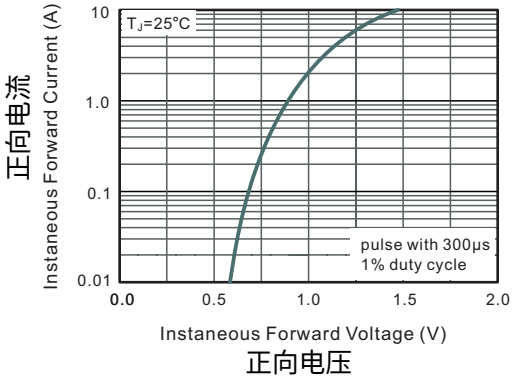
反向特性

Fig.2 Typical Reverse Characteristics



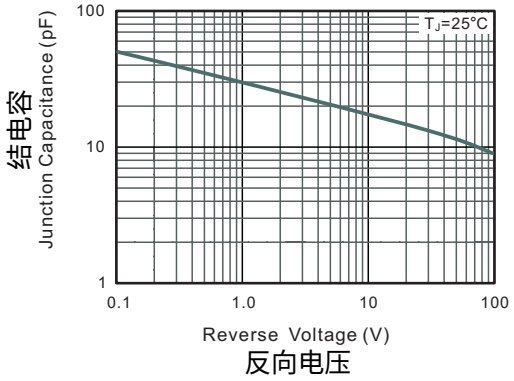
正向特性

Fig.3 Typical Instaneous Forward Characteristics



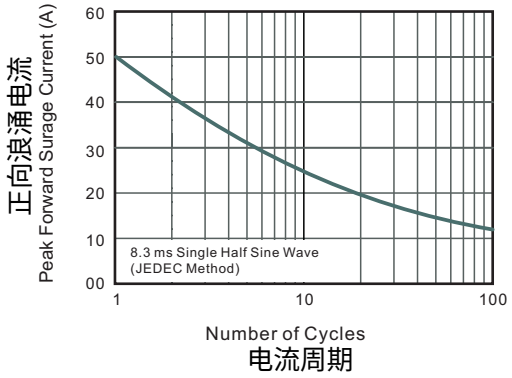
典型结电容

Fig.4 Typical Junction Capacitance



浪涌电流

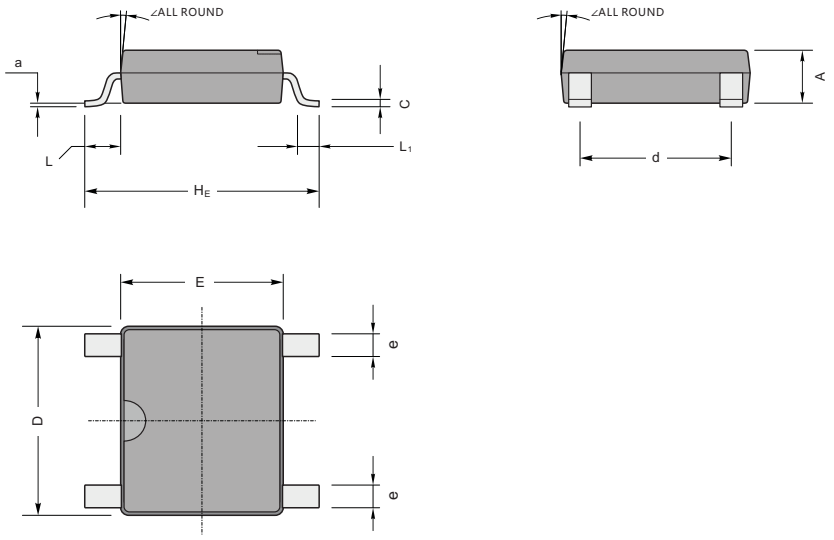
Fig.5 Maximum Non-Repetitive Peak Forward Surage Current



PACKAGE OUTLINE 外形封装

Plastic surface mounted package; 4 leads

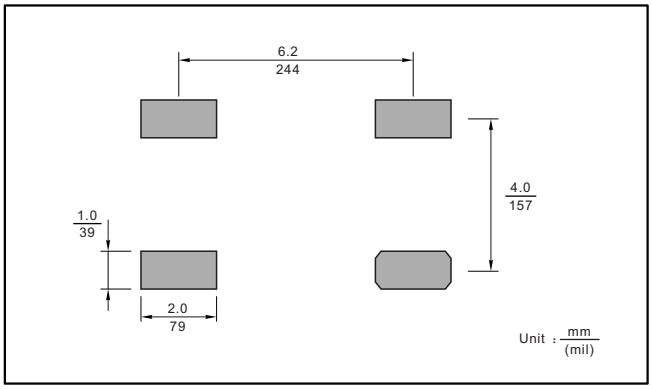
ABS/LBF



ABS/LBF mechanical data

UNIT		A	C	D	E	H_E	d	e	L	L_1	a	∠
mm	max	1.5	0.22	5.2	4.5	6.4	4.2	0.7	0.95	0.6	0.2	7°
	min	1.3	0.15	4.9	4.2	6.0	3.8	0.5				
mil	max	59	8.7	205	177	252	165	28	37	24	4	
	min	51	5.9	193	166	236	150	20				

The recommended mounting pad size 贴装板大小



Marking 标识

Type number	Marking code
ABS201	ABS201
ABS202	ABS202
ABS204	ABS204
ABS206	ABS206
ABS208	ABS208
ABS210	ABS210