

产品规格书

DATA SHEET

客户名称 : _____

产品名称 : 单相整流桥 _____

产品型号 : D20SB** _____

产品描述 : 玻璃钝化芯片
20A (600V-1200V) _____

物料编码 : 无 _____

制作人	审核	核准

客户确认 Customer Signature

乐山希尔电子股份有限公司

中国，四川省，乐山市高新技术开发区南新路 9 号 (614000)

网址 : www.share-leshan.com.cn

电话 : 0833-2595818/2595870/2599163

传真 : 0833-2595622

20A 单相整流桥

特征 Features

玻璃钝化芯片

Glass passivated chip

低反向漏电流

Low Reverse Leakage Current

高耐浪涌电流能力达300安培

High surge current capability to 300 Amperes

塑封料已经UL可燃性认证94V-0，UL档案编号：E249161

Plastic material has Underwriters Laboratory flammability recognition 94V-0，Recognized File # E249161

符合ROHS要求, 其中铅被欧盟ROHS指令2011/65/EU豁免

ROHS compliance，where Plumbum is exempted by EU ROHS directive 2011/65/EU

高温焊接保证：260°C±5°C/10秒，拉力2.3 Kgf.cm

High temperature soldering guaranteed: 260°C±5°C/10 seconds (2.3 Kgf.cm)tension



机械参数 Mechanical Data

本体：塑封

Case : Molded plastic case

极 性：极性符号铸在管体上

Polarity : Polarity symbols being marked on body

重 量：约6.8克

Weight : About 6.8grams

最大额定值 Maximum Ratings Parameter @ Ta = 25°C unless otherwise noted								
名词解释 Noun interpretation	参数条件 Conditions		符号 Symbol	60	80	100	120	单位 Unit
反向重复峰值电压 Maximum Recurrent Peak Reverse Voltage			V _{RRM}	600	800	1000	1200	V
反向不重复峰值电压 Reverse non-repetitive peak voltage			V _{RSM}	700	900	1100	1300	V
平均整流输出电流 Average Rectified Output Current	50Hz 正弦波负载, 50Hz sine wave load	带散热片,TC=100°C with heatsink, TC=100°C	I _(AV)	20				A
最大正向浪涌电流 Peak Surge Forward Current	50Hz 正弦波,一个周期, Tj=25°C 50HZ sine wave,1 cycle, Tj=25°C.		I _{FSM}	300				A
热容值 Rating for fusing	1ms<t<8.3ms,Tj=25°C, 单个二极管 1ms<t<8.3ms,Tj=25°C, Rating of per diode		I ² t	373				A ² s
结温 Junction temperature			T _J	-55 ~ +150				°C
存储温度 Storage Temperature			T _{STG}	-55 ~ +150				°C
绝缘耐压 Dielectric Strength	端子与外壳之间外加交流电 1 分钟 Terminals to case AC 1 minute		V _{ids}	2.5				KV
安装扭矩 Mounting torque	推荐扭矩 : 5kgf·cm recommend torque : 5kgf·cm		Tor	8				Kgf·cm
电性特性 Electrical Characteristics (Ta=25°C Unless otherwise specified)								
正向峰值电压 Peak Forward Voltage	IF=10A, 脉冲测试, 单个二极管的额定值 IF=10A,Pulse measurement, Rate of per diode	Ta=25°C	V _F	1.0				V
反向峰值电流 Peak Reverse Current	VR=VRRM, 脉冲测试, 单个二极管的额定值 VR=VRRM, Pulse measurement Rating of per diode	Tj=25°C	I _R	5			μA	
		Tj=125°C		500				
热阻 Thermal resistance	结到环境的热阻,无散热片 Junction to ambient, without heatsink		R _{θJA}	22			°C/W	
	结到管壳的热阻,有散热片 Junction to case, with heatsink		R _{θJC}	1.5 ⁽¹⁾				
备注 : 1、安装在 100mm×100mm×1.6mm 铝板散热器上的装置 Device mounted on 100mm x 100mm x 1.6mm Al Plate Heatsink								

20A 特性曲线

FIG.1 . Derating Curve For Output Rectified Current

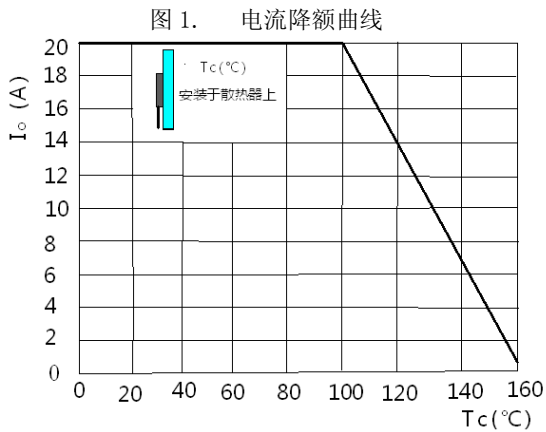


FIG.2 . Maximum Non-Repetitive Peak Orward Surge Current Per Bridge Element

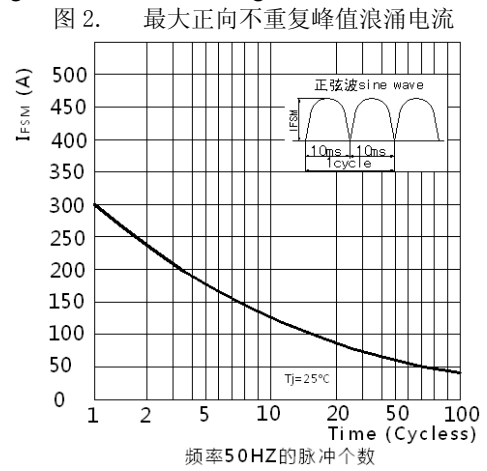


FIG3. Typical Reverse Characteristics Per Bridge Element

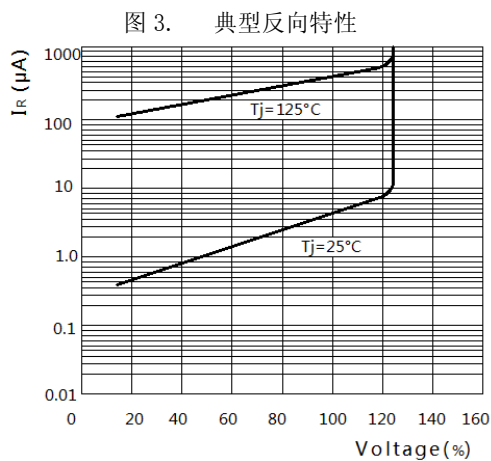
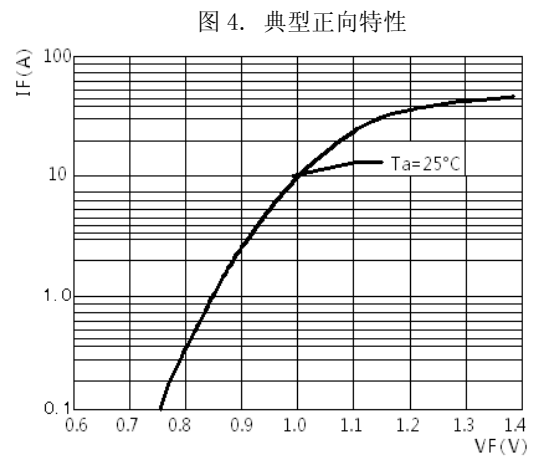
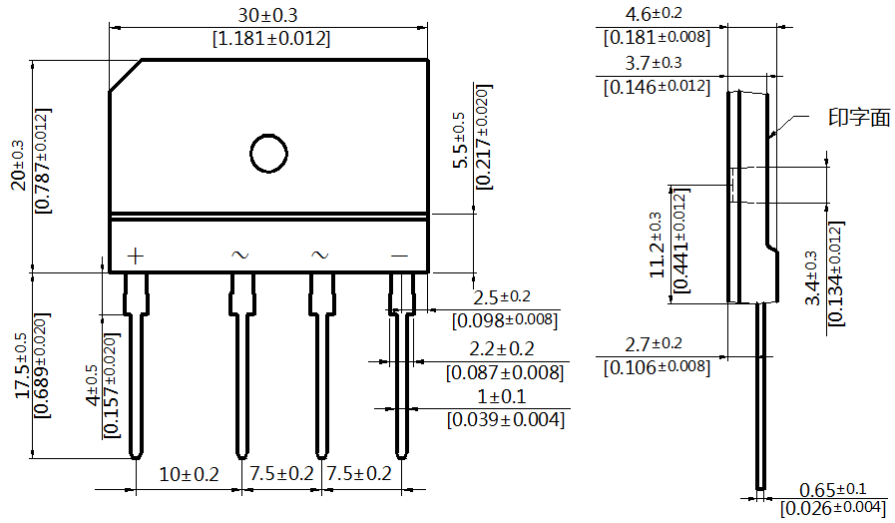


FIG4. Typical Forward Characteristics Per Bridge Element



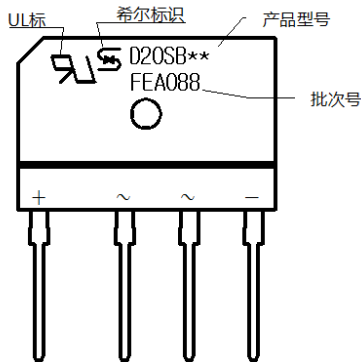
尺寸图 Dimensioned drawing



Dimensions in millimeters and inches

标记图

Marking Diagram



注： D-SB 表示封装代码，20 表示电流 20A，**为反向峰值电压，
 核算公式=数值*10

外形图

Outside view

正面



反面

