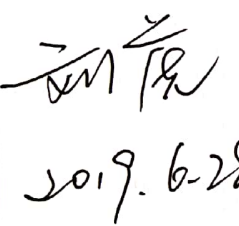


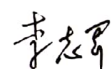
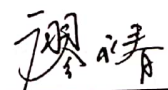


自贡兴川光电有限公司

Zigong xingchuan photoelectric co., ltd

元器件样品承认书

样品名称	开关二极管			
规格型号	BAV99LT1G, 75V, 0.15A, 4NS, SOT23, PANJIT			
物料编码	03.03.0000			
生产厂家	PANJIT			
样品数量	100PCS			
实验目的	新物料测试确认			
确认次数	首次确认			
部门	研发部	品质部	工程部	采购部
签字确认	 2019.6.28			
备注				
结论	可以使用			
批准			日期	2019.7.1

表格编号：

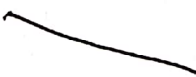


扫描全能王 创建

自贡兴川光电有限公司

Zigong xingchuan photoelectric co., ltd

样品测试报告

样品名称	开关二极管	使用产品	ZSCI500逆控一体机
样品规格	BAV99LT1G (PANJIT)	样品数量	100 pcs
送样单位	研发部	送样日期	2019年6月24日
测试地点	汇东股份513室	环境温湿度	24℃ 73%RH
物料说明	开关二极管BAV99LT1G (PANJIT), 75V, 0.15A, 4ns, SOT123		
物料分类	<input type="checkbox"/> 五金类 <input checked="" type="checkbox"/> 电子类 <input type="checkbox"/> 包材类 <input type="checkbox"/> 塑料类 <input type="checkbox"/> 套件类 <input type="checkbox"/> 辅料类 <input type="checkbox"/> 其他		
检验内容			
尺寸	尺寸符合规格书要求, 详细测试数据: 2.95mm×1.25mm×1.0mm 检验员: 刘虎 日期 2019.6.28		
外观、颜色	管身为黑色, 管脚为银白色, 外观颜色符合规格书要求 检验员: 刘虎 日期 2019.6.28		
装配	安装牢固可靠, 无抢位, 上锡度良好 检验员: 刘虎 日期 2019.6.28		
性能	反向峰值电压: 100V; 最大正向电压VF: 0.862V (IF=50mA); 最大直流反向电流V=25V: I=0.02uA 检验员: 刘虎 日期 2019.6.28		
材质	 检验员: 刘虎 日期 2019.6.28		
其他	符合ZSCI500样机设计要求 符合电阻规格书要求 检验员: 刘虎 日期 2019.6.28		
检验结果	<input checked="" type="checkbox"/> 合格 <input type="checkbox"/> 不合格 <input type="checkbox"/> 其他		
改善要求			
物料图片 (实物)			

表格编号:



扫描全能王 创建

BAW56 / BAV70 / BAV99 / BAL99

SURFACE MOUNT SWITCHING DIODES

VOLTAGE	100 Volt	POWER	250mWatt
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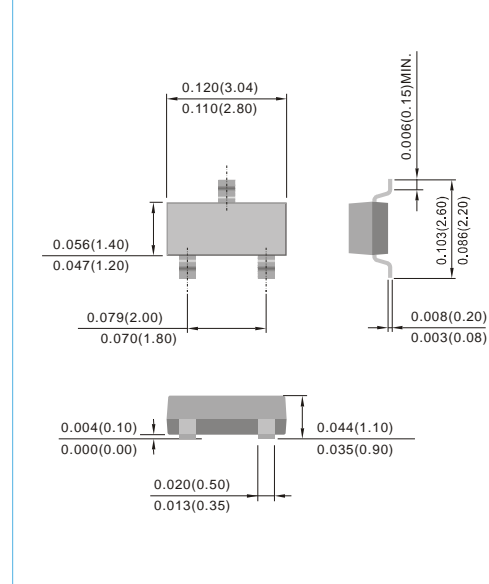
SOT-23 Unit : inch(mm)

FEATURES

- Fast switching speed.
- Surface mount package ideally suited for automatic insertion
- Electrically identical to Standard JEDEC
- High Conductance
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC 61249 standard

MECHANICAL DATA

- Case: SOT-23, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Apporx. Weight: 0.0003 ounces, 0.0084 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. For capacitive load, derate current by 20%.

PARAMETER	SYMBOL	BAW56	BAV70	BAV99	BAL99	UNITS
Marking Code	-	JC	JA	JB	JF	-
Reverse Voltage	V_R	75				V
Peak Reverse Voltage	V_{RM}	100				V
Rectified Current (Average), Half Wave Rectification with Resistive Load and $f \geq 50$ Hz	I_O	150				mA
Peak Forward Surge Current, 0.001ms	I_{FSM}	4.0				A
Power Dissipation Derate Above 25°C	P_{TOT}	250				mW
Maximum Forward Voltage	V_F	0.715 @ $I_F=1$ mA 0.855 @ $I_F=10$ mA 1.0 @ $I_F=50$ mA 1.25 @ $I_F=150$ mA				V
Maximum DC Reverse Current at 25V 75V	I_R	0.03 2.5				μ A
Maximum Junction Capacitance (Notes 1)	C_J	1.5				pF
Maximum Reverse Recovery Time (Notes 2)	t_{rr}	4.0				ns
Typical Thermal Resistance	$R_{\theta JA}$ $R_{\theta JC}$	360 205				°C / W
Junction Temperature Range	T_J	-55 to +150				°C
Circuit Figure	-	Common Anode	Common Cathode	Series	Single(Alt)	-

NOTE:

1. C_J at $V_R=0$, $f=1$ MHz
2. From $I_F=10$ mA to $I_R=1$ mA, $V_R=6$ Volts, $R_L=100\Omega$

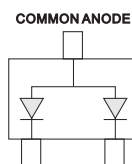


Fig.15

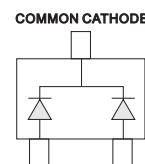


Fig.16

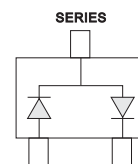


Fig.17

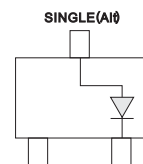


Fig.18

BAW56 / BAV70 / BAV99 / BAL99

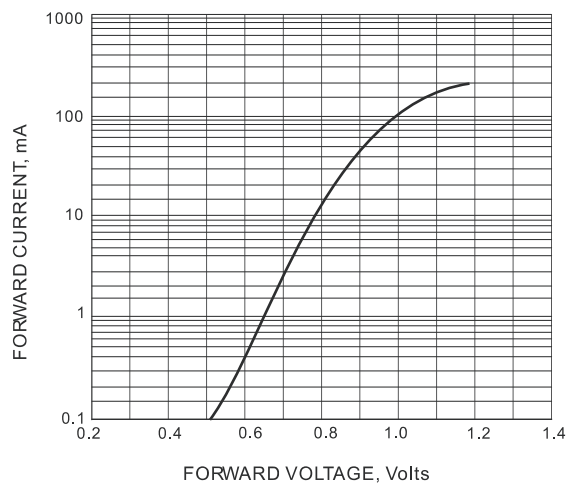


FIG. 1-TYPICAL FORWARD CHARACTERISTIC

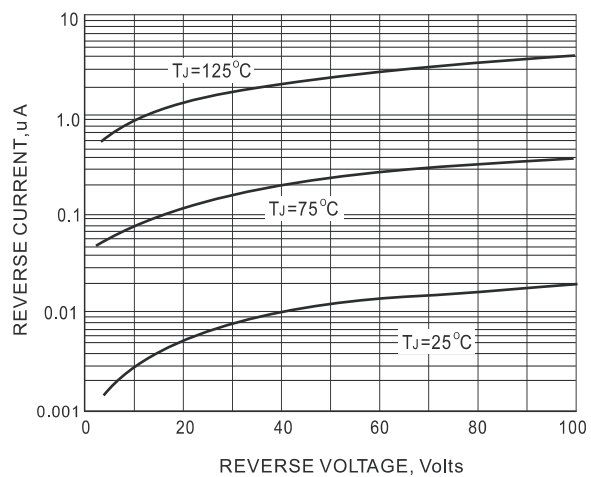


FIG. 2-TYPICAL REVERSE CHARACTERISTICS

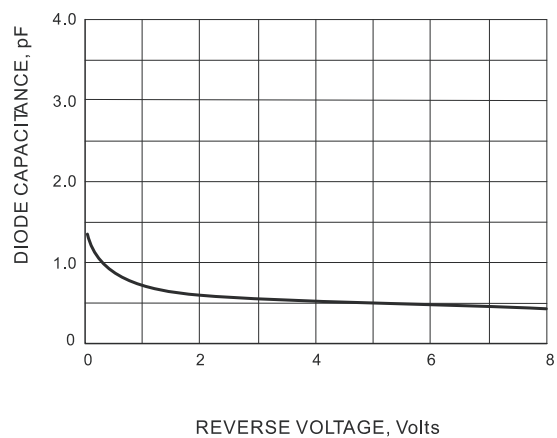


FIG. 3 TYPICAL JUNCTION CAPACITANCE

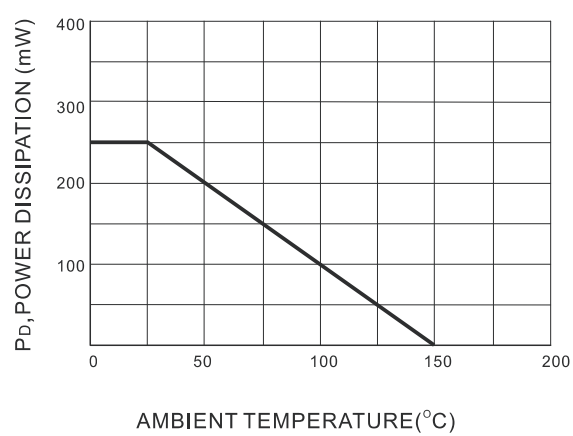


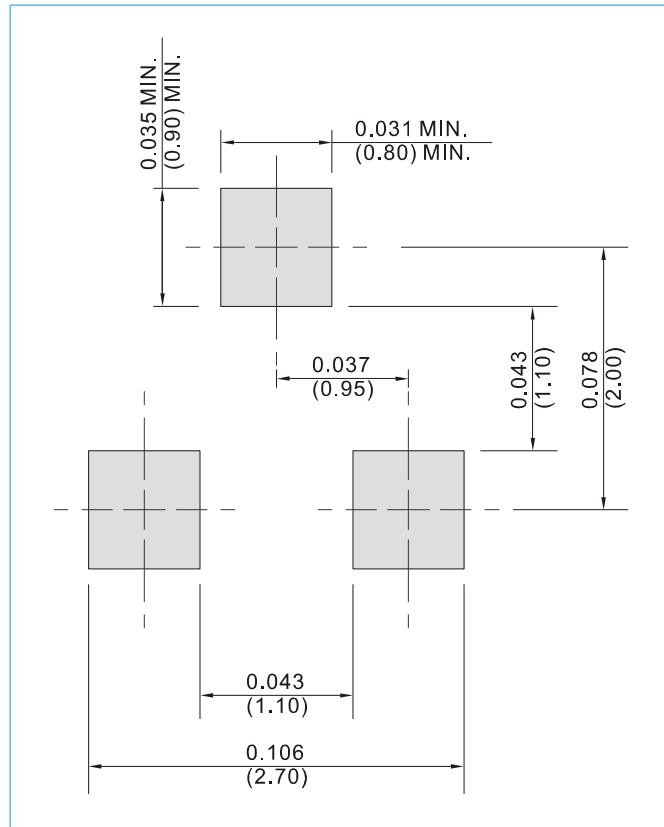
FIG. 4 POWER DERATING CURVE

BAW56 / BAV70 / BAV99 / BAL99

MOUNTING PAD LAYOUT

SOT-23

Unit : inch(mm)



ORDER INFORMATION

- Packing information
 - T/R - 12K per 13" plastic Reel
 - T/R - 3K per 7" plastic Reel

BAW56 / BAV70 / BAV99 / BAL99

Part No_packing code_Version

BAW56_R1_00001

BAW56_R2_00001

For example :

RB500V-40_R2_00001

Part No.

Serial number

Version code means HF

Packing size code means 13"

Packing type means T/R

Packing Code XX				Version Code XXXXX		
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	B	13"	2			
Tube Packing (T/P)	T	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			



BAW56 / BAV70 / BAV99 / BAL99

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- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.