产品规格书

Specification

GOODARK型号　　GD SB370S～GD SB3B0S

构造　　：　金属结合型二极管

Construction: Schottky Barrier Diode

用途　　：高速整流用

Application ： For High speed Rectifier

制造工厂（Manufacturer）:

苏州固锝电子股份有限公司

Suzhou Good-ark Electronics Co., Ltd

作成年月日 2013年02月18日

Prepared on Fed. 18th, 2012

作成部门：产品开发事业部

Prepared: R & D Department

接受印栏

请记入贵公司的名称、接受日期、责任者人名。

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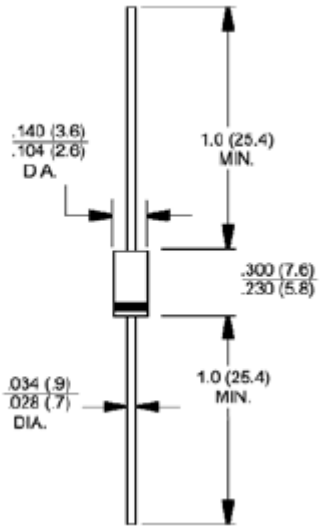
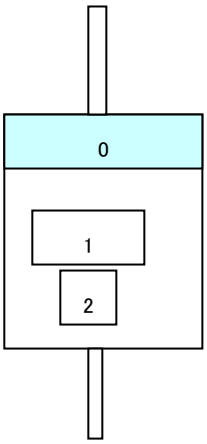
1. 外形规格 CASE DIMENSION (DO-15 Type)



Lead Material / Plating

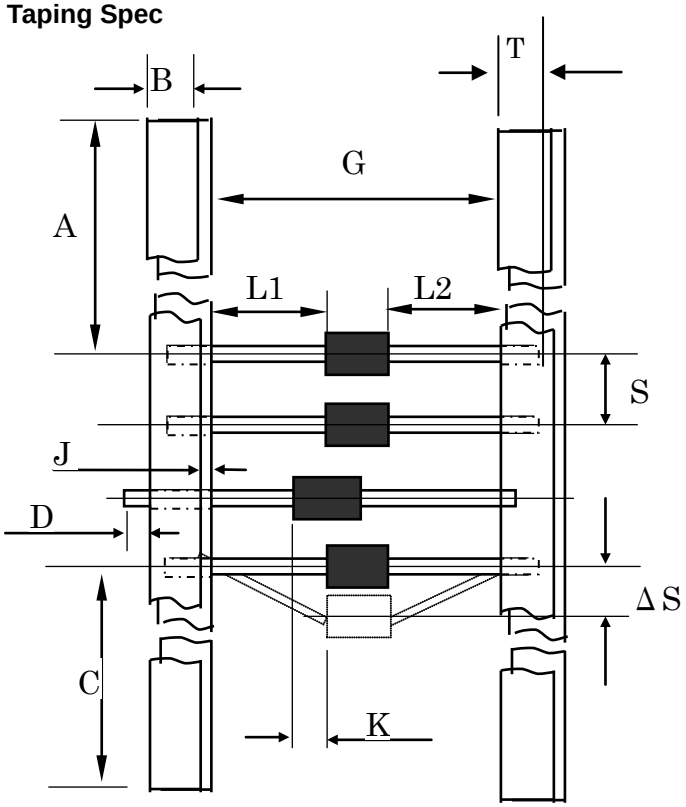
Copper / Tin Plating (4μm to 12μm)

2. 印字规格 Marking



0. Cathode Mark (silver band)
1. Part Name SB370S
2. Logo Mark

3. 编带规格 Taping Spec



单位:mm

B：6.0±0.5

D：0

G：52.4±1.5

J：0.5max

K：0.8max

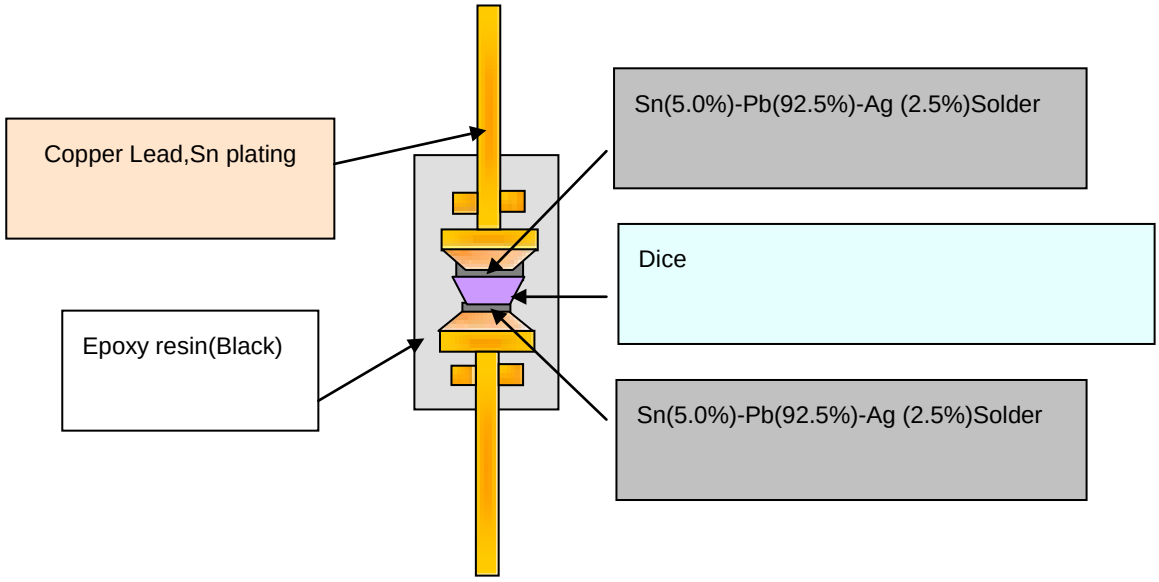
L1-L2：0±1.0

S：10.0±0.5

△S：1.2max

T：3.2min

4. 内部结构 Inside Formation



5. 最大定格 Maximum Ratings and Electrical Characteristics

Parameter	Symbol	SB370S	SB380S	SB390S	SB3B0S	Units
Maximum repetitive peak reverse voltage	V_{RRM}	70	80	90	100	Volts
Maximum RMS voltage	V_{RMS}	49	56	63	70	Volts
Maximum DC blocking voltage	V_{DC}	70	80	90	100	Volts
Maximum average forward rectified current 0.375"(9.5mm) lead length @T_L=100℃	$IF_{(AV)}$	3.0				Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rates load （JEDEC Method）	I_{FSM}	100				Amps
Maximum DC reverse current @T_J=25℃ at rated DC blocking voltage @T_J=100℃	$IR_{(AV)}$	0.5 20				mA
Maximum forward voltage at I_F=3.0A,T_J=25℃ I_F=3.0A,T_J=100℃	VF	0.79 0.69				Volts
Typical thermal resistance(Note 1)	$R_{\theta JL}$	25				℃/W
Typical junction capacitance （Note2）	Cj	90				pF
Operating junction temperature range	T_j	-55 ~ +125				℃
storage temperature range	T_{STG}	-55 ~ +150				℃

Notes：1. Thermal Resistance Junction to Lead.

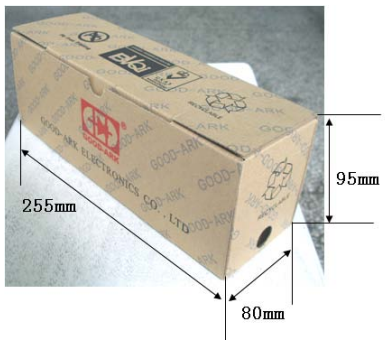
2. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

6．包装规范：Packing Spec

SB370S-TB

⑴一次包装 Primary Packaging

尺寸 Ammo Packaging



数量 Quantity 1800pcs/box

(2)二次包装 Secondary Packaging

尺寸Corrugated cardboard box

数量 Quantity 27,000pcs/box

7．标贴规格 DESCRIPTION of BOX LABEL

1) 一次包装:Primary Packaging

(1) 产品型号 Goodark Part No.

(2) 数量 Quantity

(3) 产品生产批号 Lot No

(4) 产品车间订单号 P/O NO

2) 二次包装 Secondary Packaging

(1) 产品型号 Goodark Part No.

(2) 数量 Quantity

(3) 产品车间订单号 P/O NO

(4) 外箱箱号 Carton NO

(5) 产品生产周期号 Date Code

(6) 净重 N.W

(7) 毛重 G.W

8. 特性曲线图 Characteristic Curve

(T_A = 25°C unless otherwise noted)

FIG.1 - FORWARD CURRENT DERATING CURVE

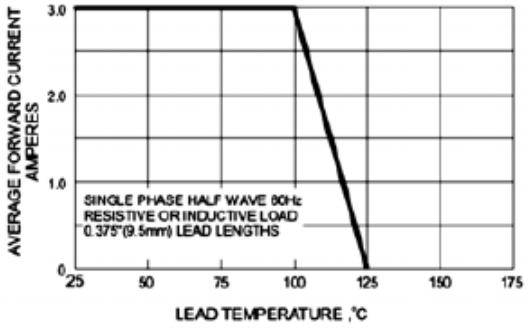


FIG.2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

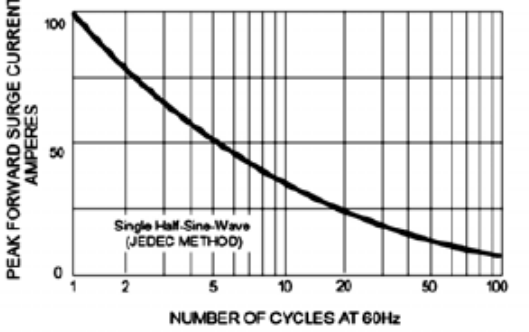


FIG.3 - TYPICAL JUNCTION CAPACITANCE

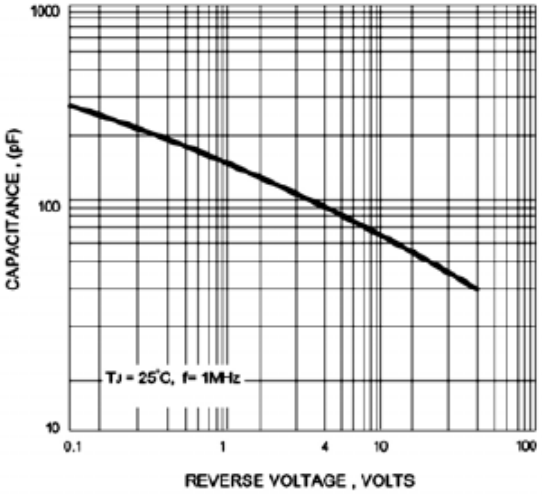


FIG.4 - TYPICAL FORWARD CHARACTERISTICS

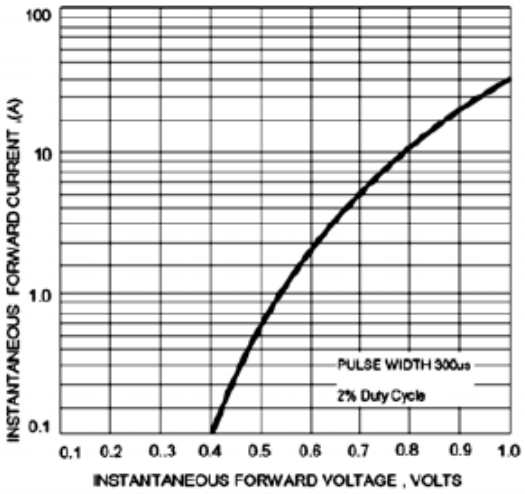
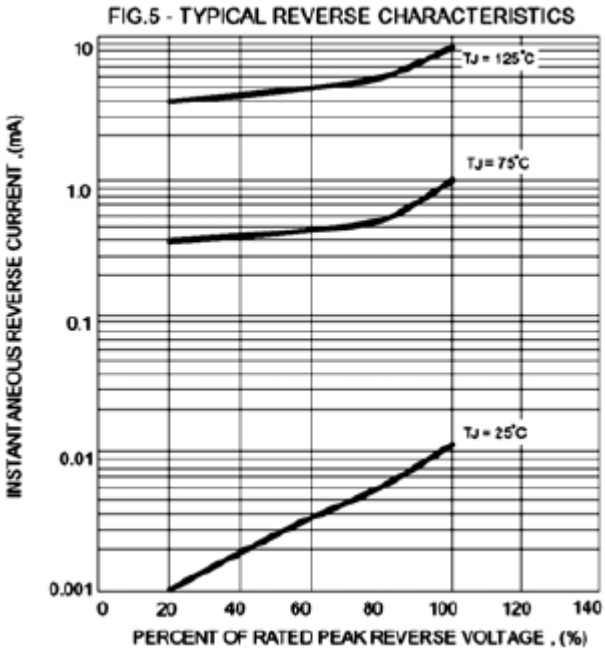



FIG.5 - TYPICAL REVERSE CHARACTERISTICS