



苏州固得电子股份有限公司

SUZHOU GOOD-ARK ELECTRONIC CO., LTD

PRESS FIT AUTOMOTIVE RECTIFIER

制造厂家: 苏州固得电子股份有限公司

作成年月日: 2010-12-21

作成部门: 汽车电子事业部

批准人: 王利博

一: 客户承认签署的内容

请确认并签署记录如下内容

我公司的全称: _____

我司选择的包装形式是: ☐ GD 包装 ☐ 中性包装

我司接受的印字形式是: ☐ “GD”印字形式 ☐ 我司指定的印字形式 (以定单要求为准) ☐

其他特殊要求 (页面不足时可另附说明资料一同签回):

NO.	GD Type	Customer Type	Confirmation	Date	Remark
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

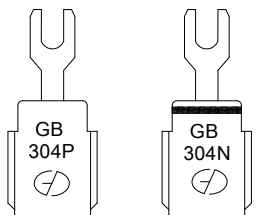
二: 苏州固得电子股份有限公司将严格按照如下规格要求提供产品。

本规格承认书的记载内容如下:

2.1 DATA SHEET (见附件)。

2.2 电性测试报告 (在样品盒内随同样品发出)。

2.3 印字规格 MARKING 例:

GOODARK型号	对应的印字规格
GB304P GB304N	



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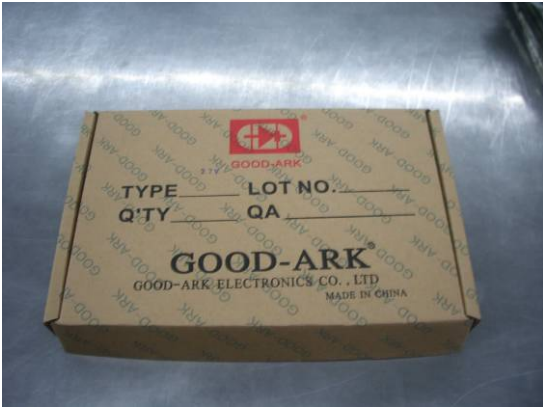
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2.4包装规格/PACKAGING SPECIFICATION

盒装/BP

产品	产品数量K/箱	产品数量K/盒	包装箱尺寸 (mm)			包装箱单重kg	内盒数/箱	满箱包装毛重kg	满箱包装净重kg	满箱包装皮重kg
			长度	宽度	高度					
GPP BLOCK	8.00	0.50	380	295	350	0.74	16	24.1	21.76	2.34

包装分中性和“GD”包装形式二种供选择，或根据客户特殊要求包装。目前固得公司的中性内包装和“GD”标记的内包装的照片如下（外包装形式同）：

暂无照片			
中性包装内部照片		中性包装外部照片	
暂无照片			
GD包装内部照片		GD包装外部照片	
			
中性外包装箱照片		GD外包装箱照片	



三：变更履历记录表

[illegible]



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四、DATA SHEET

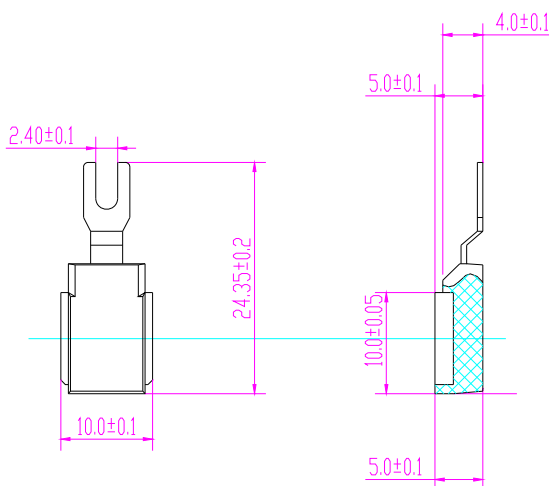
Technical Specification:

Features:

- Low leakage
- Low forward voltage drop
- High current capability
- High forward surge current capability

Mechanical Data:

- Technology : Vacuum soldered
- Copper block with transfer molded plastic
- Glass passivated chip
- Polarity: GB30-P lead-P
GB30-N lead-N
- Lead: Plated lead, solderable per
MIL-STD-202E method 208°C
- Mounting: Press Fit
- Weight: 0.096 ounces 2.72 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

- Rating at 25°C ambient temperature unless otherwise specified.
- Single phase, half wave, 60Hz, resistive or inductive load.
- For capacitive load derate current by 20%.

4.1 30A STD

	SYMBOLS	GB302	GB303	GB304	GB305	GB306	UNIT
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	200	300	400	500	600	Volts
Maximum RMS Voltage	V_{RMS}	140	210	280	350	420	Volts
Maximum DC Blocking Voltage	V_{DC}	200	300	400	500	600	Volts
Maximum Average Forward Rectified Current, At $T_C = 105^{\circ}C$	I_o	30					Amps
Peak Forward Surge Current 8.3mS single half sine wave superimposed on rated load (JEDEC method)	I_{FSM}	300					Amps
Rating for fusing ($t < 8.3ms$)	I^2t	664					A ² S
Maximum Instantaneous Forward Voltage Drop at 100A	V_F	1.10					Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage $T_A = 25^{\circ}C$	I_R	5.0					μA
$T_A = 100^{\circ}C$		250					
Typical Thermal Resistance	$R_{\theta JL}$	1.0					$^{\circ}C/W$
Operating and Storage Temperature Rang	T_J, T_{STG}	(-40 to +175)					$^{\circ}C$



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4.2 40A STD

	SYMBOLS	GB402	GB403	GB404	UNIT
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	200	300	400	Volts
Maximum RMS Voltage	V_{RMS}	140	210	280	Volts
Maximum DC Blocking Voltage	V_{DC}	200	300	400	Volts
Maximum Average Forward Rectified Current, At $T_C = 105^{\circ}C$	I_o	40			Amps
Peak Forward Surge Current 8.3mS single half sine wave superimposed on rated load (JEDEC method)	I_{FSM}	500			Amps
Rating for fusing ($t < 8.3ms$)	I^2t	1037			A^2S
Maximum Instantaneous Forward Voltage Drop at 100A	V_F	1.08			Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage $T_A = 25^{\circ}C$ $T_A = 100^{\circ}C$	I_R	5.0 250			μA
Typical Thermal Resistance	$R_{\theta JL}$	1.0			$^{\circ}C/W$
Operating and Storage Temperature Rang	T_J, T_{STG}	(-40 to +175)			$^{\circ}C$

NOTES:

1.Enough heatsink must be considered in application.