



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: \_\_\_\_\_

作成部门: 汽车电子事业部

批准人 : \_\_

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
GAB352P GAB352N	 



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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 BOSCH	3.456	0.216	380	295	350	0.74	16	30.14	27.8	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）：

<p>中性包装内部照片</p>	<p>中性包装外部照片</p>
<p>GD包装内部照片</p>	<p>GD包装外部照片</p>
<p>中性外包装箱照片</p>	<p>GD外包装箱照片</p>





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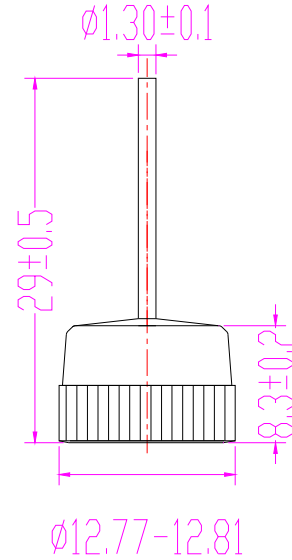
Technical Specification:

Features:

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

Mechanical Data:

- Technology : Vacuum soldered
- Case :Copper case
- Glass passivated chip
- Polarity: As marked of case bottom
- Lead: Plated lead, solderable per MIL-STD-202E method 208°C
- Mounting: Press Fit
- Weight: 0.283 ounces 8.05 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 25A STD

	SYMBOLS	GAB251	GAB252	GAB253	GAB254	GAB256	UNIT
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	100	200	300	400	600	Volts
Maximum RMS Voltage	$V_{RMS}$	70	140	210	280	420	Volts
Maximum DC Blocking Voltage	$V_{DC}$	100	200	300	400	600	Volts
Maximum Average Forward Rectified Current, At $T_C = 105^\circ C$	$I_{(AV)}$	25					Amps
Peak Forward Surge Current 8.3ms single half sine wave superimposed on rated load (JEDEC method)	$I_{FSM}$	400					Amps
Rating for fusing ( $t < 8.3ms$ )	$I^2t$	664					A <sup>2</sup> S
Maximum Instantaneous Forward Voltage Drop at 100A	$V_F$	1.10					Volts
Maximum DC Reverse Current at Rated $T_A$ = 25 °C DC Blocking Voltage $T_C = 150^\circ C$	$I_R$	5.0 250					$\mu A$
Typical Thermal Resistance	$R_{\theta JL}$	0.8					°C/W
Operating and Storage Temperature Rang	$T_J, T_{STG}$	(-40to +175)					°C

4.2 35A STD



**PRESS FIT AUTOMOTIVE RECTIFIER**

	SYMBOLS	GAB351	GAB352	GAB353	GAB354	GAB356	UNIT
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	100	200	300	400	600	Volts
Maximum RMS Voltage	$V_{RMS}$	70	140	210	280	420	Volts
Maximum DC Blocking Voltage	$V_{DC}$	100	200	300	400	600	Volts
Maximum Average Forward Rectified Current, At $T_C = 105^{\circ}C$	$I_{(AV)}$	35					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 $T_A$ = $25^{\circ}C$ DC Blocking Voltage $T_C = 150^{\circ}C$	$I_R$	5.0					$\mu A$
Typical Thermal Resistance	$R_{\theta JL}$	0.8					$^{\circ}C/W$
Operating and Storage Temperature Rang	$T_J, T_{STG}$	(-40 to +175)					$^{\circ}C$

**4.3 50A STD**

	SYMBOLS	GAB501	GAB502	GAB503	GAB504	GAB506	UNIT
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	100	200	300	400	600	Volts
Maximum RMS Voltage	$V_{RMS}$	70	140	210	280	420	Volts
Maximum DC Blocking Voltage	$V_{DC}$	100	200	300	400	600	Volts
Maximum Average Forward Rectified Current, At $T_C = 105^{\circ}C$	$I_{(AV)}$	50					Amps
Peak Forward Surge Current 8.3mS single half sine wave superimposed on rated load (JEDEC method)	$I_{FSM}$	600					Amps
Rating for fusing ( $t < 8.3ms$ )	$I^2t$	1494					$A^2S$
Maximum Instantaneous Forward Voltage Drop at 100A	$V_F$	1.06					Volts
Maximum DC Reverse Current at Rated $T_A$ = $25^{\circ}C$ DC Blocking Voltage $T_C = 150^{\circ}C$	$I_R$	5.0					$\mu A$
Typical Thermal Resistance	$R_{\theta JL}$	0.8					$^{\circ}C/W$
Operating and Storage Temperature Rang	$T_J, T_{STG}$	(-40 to +175)					$^{\circ}C$

**NOTES:**

**1. Enough heatsink must be considered in application.**