



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: _____

作成部门: 汽车电子事业部

批准人 : 王利梅

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					


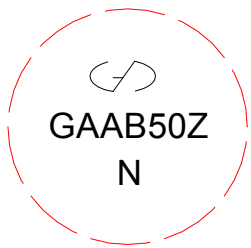
二: 苏州固得电子股份有限公司将严格按照如下规格要求提供产品。

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
GAAB50ZP GAAB50ZN	 



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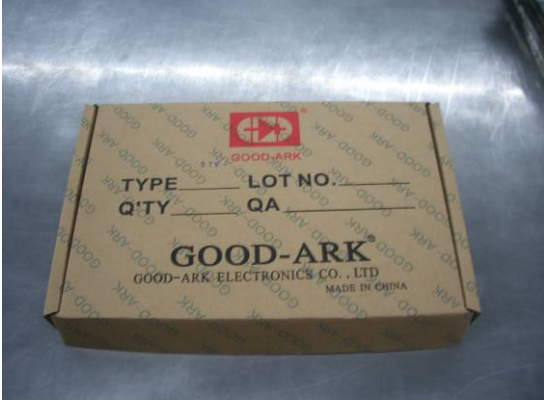


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2.4包装规格/PACKAGING SPECIFICATION

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 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）：

	
中性包装内部照片	中性包装外部照片
	
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



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四、DATA SHEET

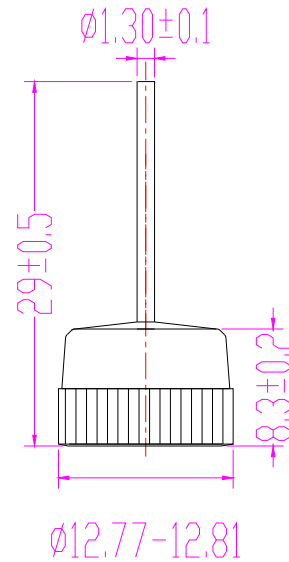
Technical Specification:

Features:

- Low cost
- High power capability
- Economical
- Avalanche Voltage

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 19V-25V (GAAB25L)

Electrical Characteristics @25°C	SYMBOLS	MIN	NOMINAL	MAX	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	17			Volts
Working Peak Reverse Voltage	V_{RWM}	17			
DC Blocking Voltage	V_{DC}	17			
Average Rectified Forward Current ($T_C=105^\circ\text{C}$)	I_o	25			Amps
Repetitive Peak Reverse Surge Current $T_C=10\text{msec}$ Duty Cycle <1%	I_{RSM}	25			Amps
Breakdown Voltage ($V_{br}@I_r=100\text{mA}, T_C=25^\circ\text{C}$) $I_r=60\text{Amps}, T_c=150^\circ\text{C}, PW=80\mu\text{ sec}$	V_{br1}	19	22	25	Volts
	V_{br2}			32	Volts
Forward Voltage Drop ($V_{fwd})@I_f=100\text{Amps}<300\mu\text{ sec}$	V_F	0.98	1.05	1.10	Volts
Peak Forward Surge Current	I_{FSM}		400		Amps
Reverse Leakage ($V_R=17\text{Vdc}$) $T_A=25^\circ\text{C}$	I_R	0.2	1.0	2.0	$\mu\text{ Amps}$
Operating and Storage Junction Temperature Range	T_J, T_{STG}	-40to+175			$^\circ\text{C}$



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SUZHOU GOOD-ARK ELECTRONIC CO., LTD
PRESS FIT AUTOMOTIVE RECTIFIER

4.2 25A 24V-32V (GAAB25Z)

Electrical Characteristics @25°C	SYMBOLS	MIN	NOMINAL	MAX	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	20			Volts
Working Peak Reverse Voltage	V_{RWM}	20			
DC Blocking Voltage	V_{DC}	20			
Average Rectified Forward Current ($T_C=105^\circ\text{C}$)	I_o	25			Amps
Repetitive Peak Reverse Surge Current $T_C=10\text{msec}$ Dury Cycle <1%	I_{RSM}	25			Amps
Breakdown Voltage ($V_{br}@I_r=100\text{mA}, T_C=25^\circ\text{C}$) $I_r=60\text{Amps}, T_c=150^\circ\text{C}, PW=80\mu\text{ sec}$	V_{br1}	24	25/27	32	Volts
	V_{br2}			40	Volts
Forward Voltage Drop ($V_{fwd}@I_f=100\text{Amps}<300\mu\text{ sec}$)	V_F	0.98	1.05	1.10	Volts
Peak Forward Surge Current	I_{FSM}		400		Amps
Reverse Leakage ($V_R=20\text{Vdc}$) $T_A=25^\circ\text{C}$	I_R	0.2	1.0	2.0	$\mu\text{ Amps}$
Operating and Storage Junction Temperature Range	T_J, T_{STG}	-40 to+175			$^\circ\text{C}$

4.3 35A 19V-25V (GAAB35L)

Electrical Characteristics @25°C	SYMBOLS	MIN	NOMINAL	MAX	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	17			Volts
Working Peak Reverse Voltage	V_{RWM}	17			
DC Blocking Voltage	V_{DC}	17			
Average Rectified Forward Current ($T_C=105^\circ\text{C}$)	I_o	35			Amps
Repetitive Peak Reverse Surge Current $T_C=10\text{msec}$ Dury Cycle <1%	I_{RSM}	35			Amps
Breakdown Voltage ($V_{br}@I_r=100\text{mA}, T_C=25^\circ\text{C}$) $I_r=60\text{Amps}, T_c=150^\circ\text{C}, PW=80\mu\text{ sec}$	V_{br1}	19	22	25	Volts
	V_{br2}			32	Volts
Forward Voltage Drop ($V_{fwd}@I_f=100\text{Amps}<300\mu\text{ sec}$)	V_F	0.98	1.05	1.09	Volts
Peak Forward Surge Current	I_{FSM}		500		Amps
Reverse Leakage ($V_R=17\text{Vdc}$) $T_A=25^\circ\text{C}$	I_R	0.2	1.0	2.0	$\mu\text{ Amps}$
Operating and Storage Junction Temperature Range	T_J, T_{STG}	-40 to+175			$^\circ\text{C}$



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4.4 35A 24V-32V (GAAB35Z)

Electrical Characteristics @25°C	SYMBOLS	MIN	NOMINAL	MAX	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	20			Volts
Working Peak Reverse Voltage	V_{RWM}	20			
DC Blocking Voltage	V_{DC}	20			
Average Rectified Forward Current ($T_C=105^\circ C$)	I_o	35			Amps
Repetitive Peak Reverse Surge Current $T_C=10msec$ Dury Cycle <1%	I_{RSM}	35			Amps
Breakdown Voltage ($V_{br}@I_r=100mA, T_C=25^\circ C$) $I_r=60Amps, T_c=150^\circ C, PW=80\mu sec$	V_{br1}	24	25/27	32	Volts
	V_{br2}			40	Volts
Forward Voltage Drop ($V_{fwd}@I_f=100Amps<300 \mu sec$)	V_F	0.98	1.05	1.09	Volts
Peak Forward Surge Current	I_{FSM}		500		Amps
Reverse Leakage ($V_R=20Vdc$) $T_A=25^\circ C$	I_R	0.2	1.0	2.0	μ Amps
Operating and Storage Junction Temperature Range	T_J, T_{STG}	-40 to+175			$^\circ C$

4.5 35A 37V-42V (GAAB35M)

Electrical Characteristics @25°C	SYMBOLS	MIN	NOMINAL	MAX	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	28			Volts
Working Peak Reverse Voltage	V_{RWM}	28			
DC Blocking Voltage	V_{DC}	28			
Average Rectified Forward Current ($T_C=125^\circ C$)	I_o	35			Amps
Repetitive Peak Reverse Surge Current $T_C=10msec$ Dury Cycle <1%	I_{RSM}	35			Amps
Breakdown Voltage ($V_{br}@I_r=100mA, T_C=25^\circ C$) $I_r=40Amps, T_c=150^\circ C, PW=80\mu sec$	V_{br1}	37	39	42	Volts
	V_{br2}			54	Volts
Forward Voltage Drop ($V_{fwd}@I_f=100Amps<300 \mu sec$)	V_F	0.98	1.05	1.09	Volts
Peak Forward Surge Current	I_{FSM}		500		Amps
Reverse Leakage ($V_R=28Vdc$) $T_A=25^\circ C$	I_R	0.2	1.0	2.0	μ Amps
Operating and Storage Junction Temperature Range	T_J, T_{STG}	-40 to+175			$^\circ C$



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4.6 50A 19V-25V (GAAB50L)

Electrical Characteristics @25°C	SYMBOLS	MIN	NOMINAL	MAX	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	17			Volts
Working Peak Reverse Voltage	V_{RWM}	17			
DC Blocking Voltage	V_{DC}	17			
Average Rectified Forward Current ($T_C=105^\circ\text{C}$)	I_o	50			Amps
Repetitive Peak Reverse Surge Current $T_C=10\text{msec}$ Dury Cycle <1%	I_{RSM}	50			Amps
Breakdown Voltage ($V_{br}@I_r=100\text{mA}, T_C=25^\circ\text{C}$) $I_r=80\text{Amps}, T_c=150^\circ\text{C}, PW=80\mu\text{ sec}$	V_{br1}	20	22	24	Volts
	V_{br2}			32	Volts
Forward Voltage Drop (V_{fwd})@ $I_f=100\text{Amps}<300\mu\text{ sec}$	V_F	0.95	1.04	1.07	Volts
Peak Forward Surge Current	I_{FSM}		600		Amps
Reverse Leakage ($V_R=17\text{Vdc}$) $T_A=25^\circ\text{C}$	I_R	0.2	1.0	2.0	$\mu\text{ Amps}$
Operating and Storage Junction Temperature Range	T_J, T_{STG}	-40 to+175			$^\circ\text{C}$

4.7 50A 24V-32V (GAAB50Z)

Electrical Characteristics @25°C	SYMBOLS	MIN	NOMINAL	MAX	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	20			Volts
Working Peak Reverse Voltage	V_{RWM}	20			
DC Blocking Voltage	V_{DC}	20			
Average Rectified Forward Current ($T_C=105^\circ\text{C}$)	I_o	50			Amps
Repetitive Peak Reverse Surge Current $T_C=10\text{msec}$ Dury Cycle <1%	I_{RSM}	50			Amps
Breakdown Voltage ($V_{br}@I_r=100\text{mA}, T_C=25^\circ\text{C}$) $I_r=60\text{Amps}, T_c=150^\circ\text{C}, PW=80\mu\text{ sec}$	V_{br1}	24	25/27	32	Volts
	V_{br2}			40	Volts
Forward Voltage Drop (V_{fwd})@ $I_f=100\text{Amps}<300\mu\text{ sec}$	V_F	0.95	1.04	1.07	Volts
Peak Forward Surge Current	I_{FSM}		600		Amps
Reverse Leakage ($V_R=20\text{Vdc}$) $T_A=25^\circ\text{C}$	I_R	0.2	1.0	2.0	$\mu\text{ Amps}$
Operating and Storage Junction Temperature Range	T_J, T_{STG}	-40 to+175			$^\circ\text{C}$



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4.7 50A 37V-42V (GAAB50M)

Electrical Characteristics @25°C	SYMBOLS	MIN	NOMINAL	MAX	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	28			Volts
Working Peak Reverse Voltage	V_{RWM}	28			
DC Blocking Voltage	V_{DC}	28			
Average Rectified Forward Current ($T_C=125^\circ\text{C}$)	I_o	50			Amps
Repetitive Peak Reverse Surge Current $T_C=10\text{msec}$ Duty Cycle <1%	I_{RSM}	50			Amps
Breakdown Voltage ($V_{br}@I_r=100\text{mA}, T_C=25^\circ\text{C}$) $I_r=40\text{Amps}, T_c=150^\circ\text{C}, PW=80\mu\text{ sec}$	V_{br1}	37	39	42	Volts
	V_{br2}			54	Volts
Forward Voltage Drop (V_{fwd})@ $I_f=100\text{Amps}<300\mu\text{ sec}$	V_F	0.95	1.04	1.07	Volts
Peak Forward Surge Current	I_{FSM}		600		Amps
Reverse Leakage ($V_R=28\text{Vdc}$) $T_A=25^\circ\text{C}$	I_R	0.2	1.0	2.0	$\mu\text{ Amps}$
Operating and Storage Junction Temperature Range	T_J, T_{STG}	-40 to+175			$^\circ\text{C}$

NOTES:

1.Enough heatsink must be considered in application.