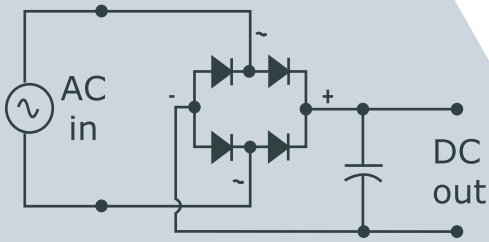
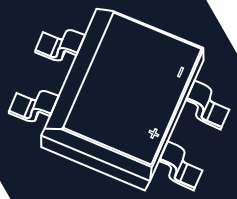
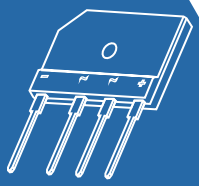
PANJIT SEMI CONDUCTOR

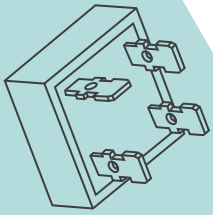
BRIDGE RECTIFIERS CATALOG

2017 FEB.







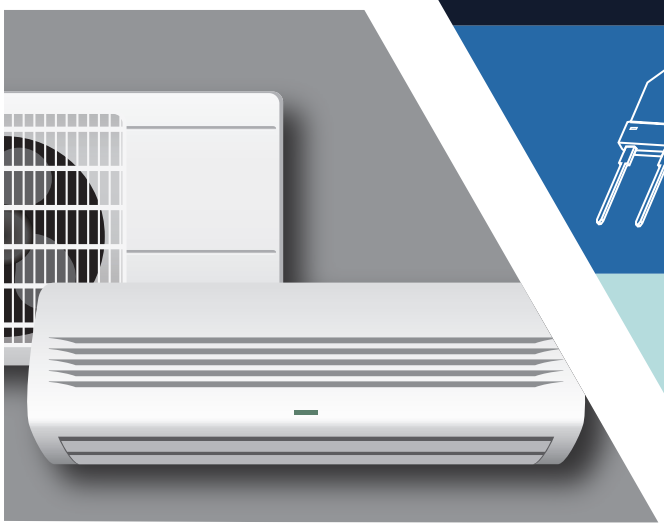


Current ratings:

05.A to 50A

Voltage ratings:

400V to 1200V



PANJIT COMPANY OVERVIEW

PANJIT International Inc., founded in 1986 with headquarters in Kaohsiung, Taiwan, is a leading semiconductor products manufacturer with global operations who supplies solutions to customers in most of the key electronic market, and, as the company name is coined with “JIT”, delivers high quality semiconductor products to customers just in time.

By integrating the capability of the state-of-the-art technical wafer infrastructure development, new product design, finished goods manufacturing and testing, PANJIT is able to supply the right solutions to our customers.

PANJIT has many quality and environmental certifications recognized worldwide, making it one of the best solution provider who could deliver the highest standards in Technology, Performance, Quality and Service, without compromising our social and environmental commitment.

Worldwide Operations

- Headquarters, Sales Office, Manufacturing Factory
- Sales Office, Manufacturing Factory
- Sales Office

BRIDGE RECTIFIERS

Introduction

Bridge rectifier is an essential electronic component for electrical equipments that inputs from AC power and then converts to DC power to power the equipments. It is a single device composed of four rectifier dies.

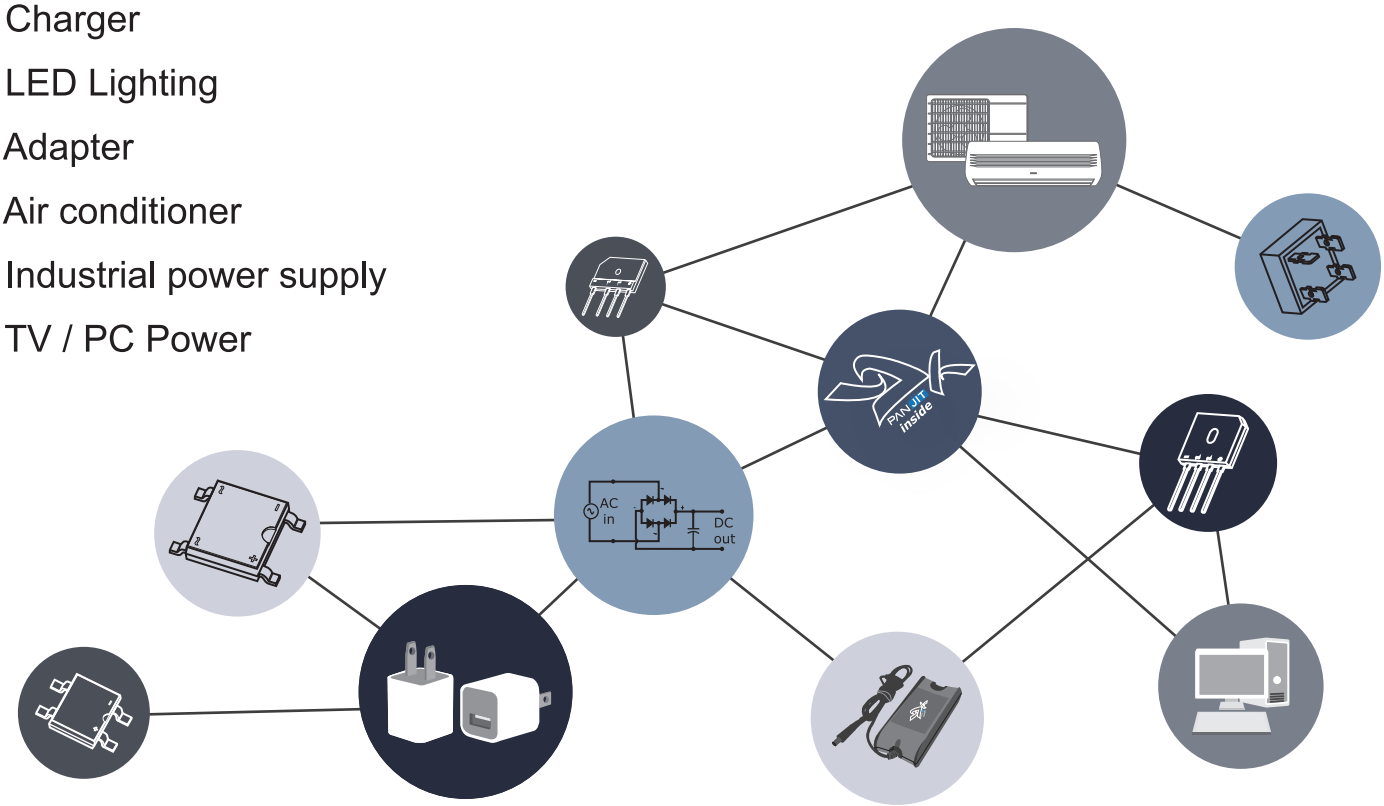
Bridge rectifier could deliver better full-wave rectification functionality and also save PCB space than using 4 individual rectifier diodes.

Features

- Glass Passivated Chip Junction.
- Low I_R, high V_B, and high I_{FSM}.
- Current rating from 0.5A to 50A, and Voltage rating from 400V to 1200V.
- Assembled in SMT and Through hole packages.
- Lead free in comply with EU RoHs 2011/65/EU directives.

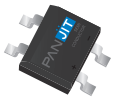
Applications

(1) Charger
(2) LED Lighting
(3) Adapter
(4) Air conditioner
(5) Industrial power supply
(6) TV / PC Power



BRIDGE RECTIFIERS

PANJIT SEMI CONDUCTOR

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current	Max. Forward Voltage Drop		Max. Reverse Current	Package
	V_{RRM}	I_O	I_{FSM}	$V_F@I_F$		$I_R@V_{RRM}$	
	V	A	A	V	A	uA	
MDI Series							
R4S ~ R10S	400 - 1000	0.5	30	1.15	0.5	5	 MDI
B4S ~ B10S	400 - 1000	0.8	30	1	0.5	5	
B104S ~ B1010S	400 - 1000	1	30	1.1	1	5	
MBF Series							
MB4F-08 ~ MB10F-08	400 - 1000	0.8	30	1	0.8	5	 MBF
MB4F-10 ~ MB10F-10	400 - 1000	1	30	1.1	1	5	
MR6F-08	600	0.8	30	1.15	0.8	5	
ABS Series							
ABS06 ~ ABS10	600 - 1000	1	30	1.1	1	5	 ABS
ABS06A ~ ABS10A	600 - 1000	1	35	1.1	1	5	
ABS1510	1000	1.5	40	1.1	1.5	5	
ABS206 ~ ABS210	600 - 1000	2	50	1.1	2	5	
ABS210A	1000	2	60	1.1	2	5	

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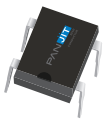
Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current	Max. Forward Voltage Drop		Max. Reverse Current	Package
	V_{RRM}	I_O	I_{FSM}	$V_F@I_F$		$I_R@V_{RRM}$	
	V	A	A	V	A	uA	
SDIP Series							
DI104S ~ DI1010S	400 - 1000	1	30	1.1	1	5	 SDIP
DI154S ~ DI1510S	400 - 1000	1.5	50	1.1	1	5	
DI204S ~ DI2010S	400 - 1000	2	50	1.1	2	5	
DIP Series							
DI104 ~ DI1010	400 - 1000	1	30	1.1	1	5	 DIP
DI154 ~ DI1510	400 - 1000	1.5	50	1.1	1	5	
DI204 ~ DI2010	400 - 1000	2	50	1.1	2	5	
KBPF Series							
KBP204 ~ KBP2010	400 - 1000	2	60	1.1	2	5	 KBPF
2KBP04M ~ 2KBP10M	400 - 1000	2	60	1.1	2	5	
KBP304 ~ KBP3010	400 - 1000	3	70	1.1	3	5	
KBL Series							
KBL404 ~ KBL410	400 - 1000	4	150	1	2	5	 KBL

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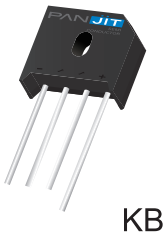
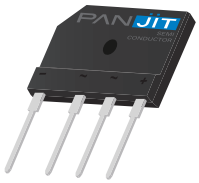
Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current	Max. Forward Voltage Drop		Max. Reverse Current	Package
	V_{RRM}	I_O	I_{FSM}	$V_F@I_F$		$I_R@V_{RRM}$	
	V	A	A	V	A	uA	
KBU Series							
KBU6G ~ KBU6M	400 - 1000	6	175	1	3	5	 KBU
KBU8G ~ KBU8M	400 - 1000	8	200	1	4	5	
KBU10G ~ KBU10M	400 - 1000	10	220	1	5	5	
KBJ Series							
KBJ1004 ~ KBJ1010	400 - 1000	10	200	1	5	5	 KBJ
KBJ1504 ~ KBJ1510	400 - 1000	15	240	1	7.5	5	
KBJ2004 ~ KBJ2010	400 - 1000	20	300	1	10	5	
KBJ2504 ~ KBJ2510	400 - 1000	25	350	1	12.5	5	
KBJ3504 ~ KBJ3512	400 - 1200	35	400	1	17.5	5	
KBJ-P Series							
KBJ3504P ~ KBJ3512P	400 - 1200	35	400	1	17.5	5	 KBJ-P
GBP Series							
GBP204 ~ GBP210	400 - 1000	2	60	1.1	2	5	 GBP
GBP304 ~ GBP310	400 - 1000	3	70	1.1	3	5	

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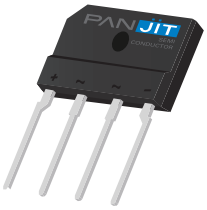
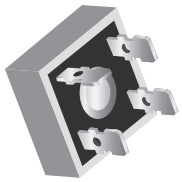
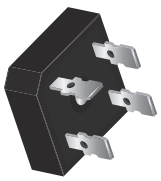
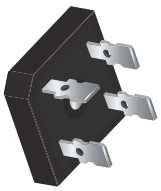
Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current	Max. Forward Voltage Drop		Max. Reverse Current	Package
	V_{RRM}	I_O	I_{FSM}	$V_F@I_F$		$I_R@V_{RRM}$	
	V	A	A	V	A	uA	
GBL Series							
GBL404 ~ GBL410	400 - 1000	4	150	1	2	5	 GBL
GBU Series							
GBU4G ~ GBU4M	400 - 1000	4	150	1	2	5	 GBU
GBU6G ~ GBU6M	400 - 1000	6	175	1	3	5	
GBU8G ~ GBU8M	400 - 1000	8	200	1	4	5	
GBU10G ~ GBU10M	400 - 1000	10	220	1	5	5	
GBJ Series							
GBJ4G ~ GBJ4M	400 - 1000	4	150	1	2	5	 GBJ
GBJ6G ~ GBJ6M	400 - 1000	6	175	1	3	5	
GBJ8G ~ GBJ8M	400 - 1000	8	200	1	4	5	
GBJ10G ~ GBJ10M	400 - 1000	10	220	1	5	5	
D3K Series							
DK406 ~ DK410	600 - 1000	4	135	1	2	5	 D3K

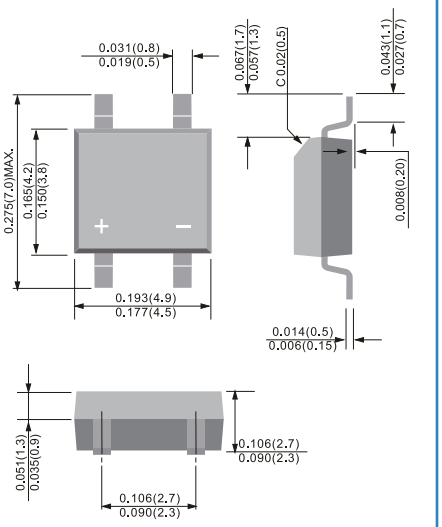
BRIDGE RECTIFIERS

Part Number	Peak Repetitive Reverse Voltage	Max. Average Rectified Current	Max. Peak Forward Surge Current	Max. Forward Voltage Drop		Max. Reverse Current	Package
	V_{RRM}	I_O	I_{FSM}	$V_F@I_F$		$I_R@V_{RRM}$	
	V	A	A	V	A	uA	
KBPC Series							
KBPC1504 ~ KBPC1510	400 - 1000	15	300	1	7.5	5	 KBPC
KBPC2504 ~ KBPC2510	400 - 1000	25	300	1	12.5	5	
KBPC3504 ~ KBPC3510	400 - 1000	35	400	1	17.5	5	
KBPC5004 ~ KBPC5010	400 - 1000	50	400	1.1	25	5	
GBPC Series							
GBPC1504 ~ GBPC1510	400 - 1000	15	300	1	7.5	5	 GBPC
GBPC2504 ~ GBPC2510	400 - 1000	25	300	1	12.5	5	
GBPC3504 ~ GBPC3510	400 - 1000	35	400	1	17.5	5	
GBPC5004 ~ GBPC5010	400 - 1000	50	400	1.1	25	5	
GBPC-F Series							
GBPC1504F ~ GBPC1510F	400 - 1000	15	300	1	7.5	5	 GBPC-F
GBPC2504F ~ GBPC2510F	400 - 1000	25	300	1	12.5	5	
GBPC3504F ~ GBPC3510F	400 - 1000	35	400	1	17.5	5	
GBPC5004F ~ GBPC5010F	400 - 1000	50	400	1.1	25	5	

Outline Drawing

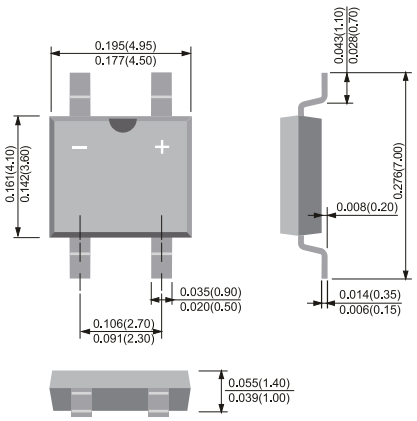
MDI

Unit: inch (mm)



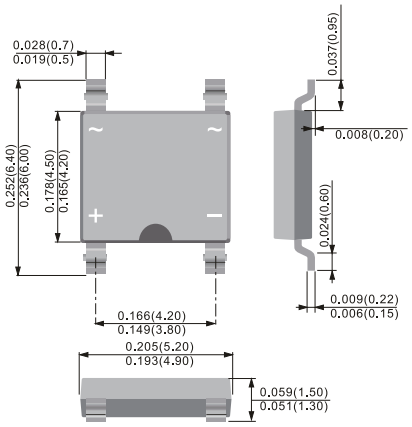
MBF

Unit: inch (mm)



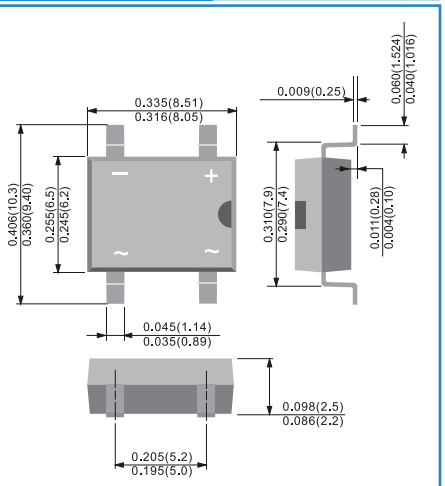
ABS

Unit: inch (mm)



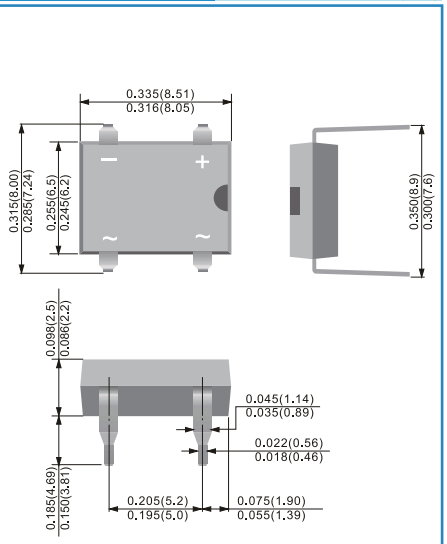
SDIP

Unit: inch (mm)



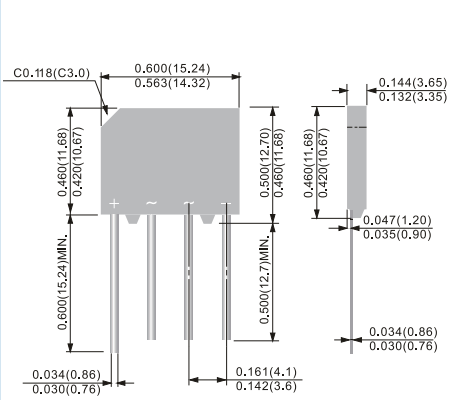
DIP

Unit: inch (mm)



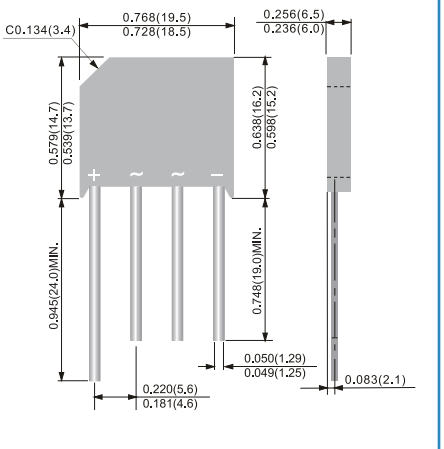
KBPF

Unit: inch (mm)



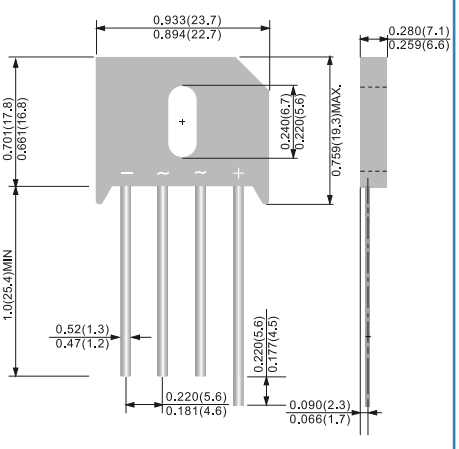
KBL

Unit: inch (mm)



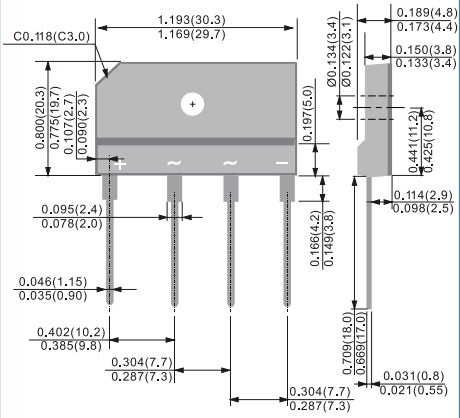
KBU

Unit: inch (mm)



KBJ

Unit: inch (mm)

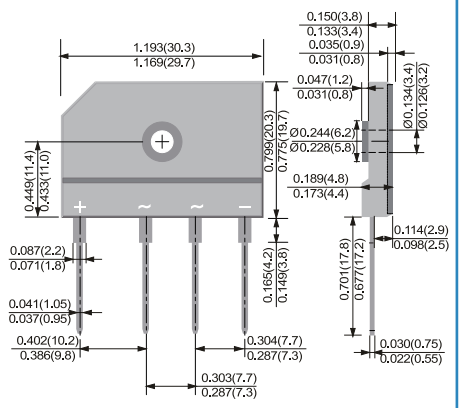


Outline Drawing

PANJIT SEMI CONDUCTOR

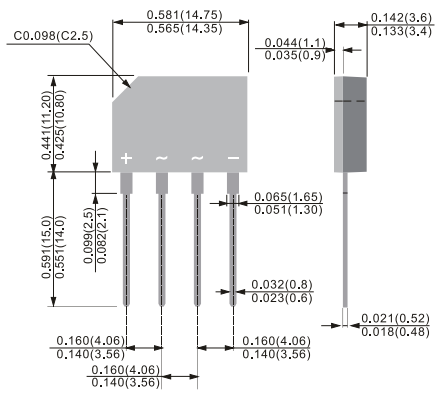
KBJ-P

Unit: inch (mm)



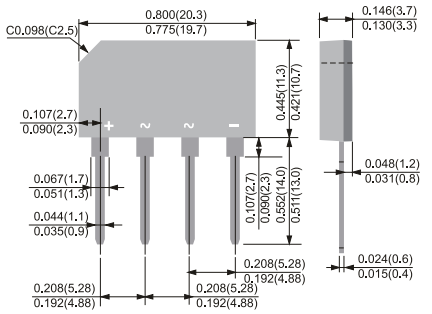
GBP

Unit: inch (mm)



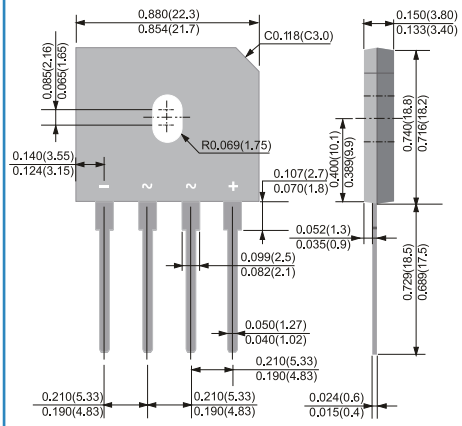
GBL

Unit: inch (mm)



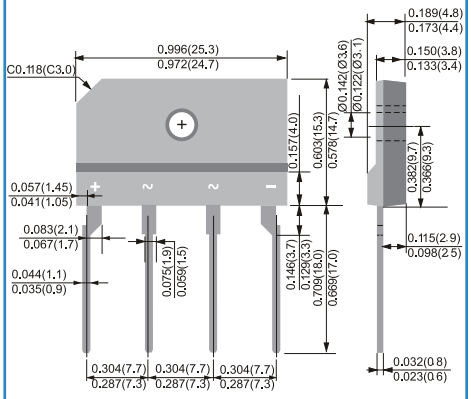
GBU

Unit: inch (mm)



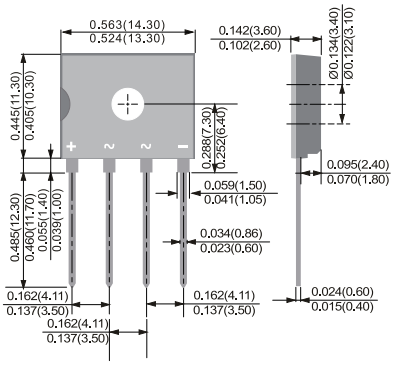
GBJ

Unit: inch (mm)



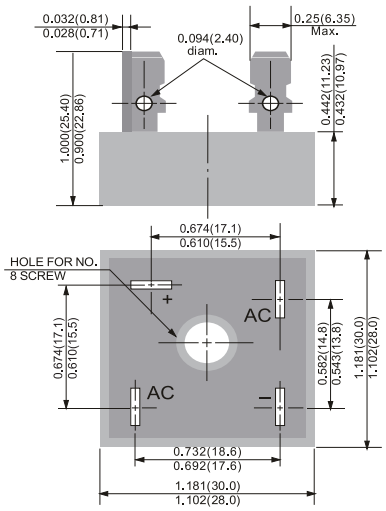
D3K

Unit: inch (mm)



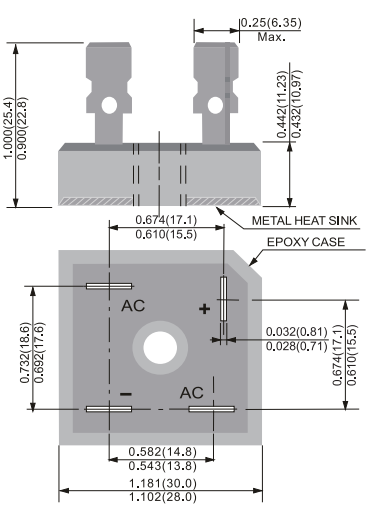
KBPC

Unit: inch (mm)



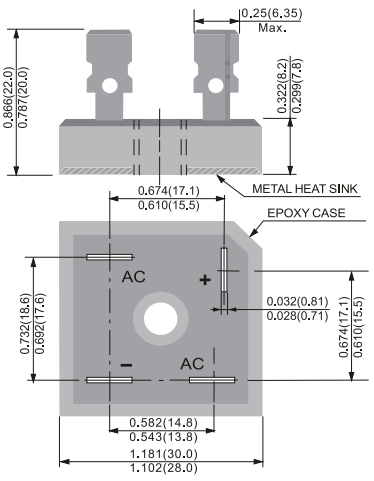
GBPC

Unit: inch (mm)



GBPC-F

Unit: inch (mm)



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Manufacturing Facilities

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