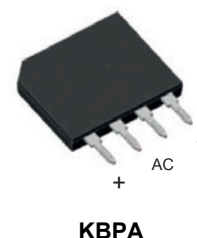


GSKBP201A thru GSKBP210A

General Purpose Bridge Rectifiers
Reverse Voltage 100V to 1000V Forward Current 2A

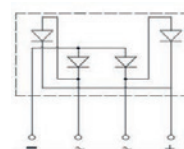
Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated chip junction
- High current capability
- Low forward voltage drop
- High temperature soldering guaranteed: 260°C/10 seconds at terminals
- Component in accordance to RoHS 2015/863/EU



Mechanical Data

- Case: KBPA molded plastic body
- Terminals: Plated leads solderable per MIL-STD-750, method 2026
- Mounting position: Any



Schematic Diagram

Applications

Used in AC/DC bridge full wave rectification for SMPS, lighting ballaster, adapter, charger, home appliances, office equipment and telecommunication applications.

Maximum Ratings and Electrical Characteristics

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

Parameters		Symbol	GSKBP 201A	GSKBP 202A	GSKBP 204A	GSKBP 206A	GSKBP 208A	GSKBP 210A	Unit
Maximum Reverse Peak Reverse Voltage		V _{RRM}	100	200	400	600	800	1000	V
Maximum RMS Voltage		V _{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		V _{DC}	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current, (See Fig 2)		I _{F(AV)}	2.0						A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load		I _{FSM}	60						A
Rating for Fusing (t=8.3ms)		I ² t	14.94						A ² S
Maximum Instantaneous Forward Voltage at 1.0A DC		V _F	0.95						V
Maximum DC Reverse Current at Rated DC blocking Voltage	T _J =25°C	I _R	5						μA
	T _J =125°C		100						μA
Typical Junction Capacitance ¹		C _J	22						pF
Typical Thermal Resistance, Junction-Ambient		R _{θJA}	45						°C/W
Typical Thermal Resistance, Junction-Case		R _{θJC}	5						°C/W
Operating Temperature Range		T _J	-55 to +150						°C
Storage Temperature Range		T _{STG}	-55 to +150						°C

Notes:

1. Measured at 1MHz and applied reverse voltage of 4.0 Volts.

GSKBP201A thru GSKBP210A

General Purpose Bridge Rectifiers
 Reverse Voltage 100V to 1000V Forward Current 2A

Ratings and Characteristics Curves

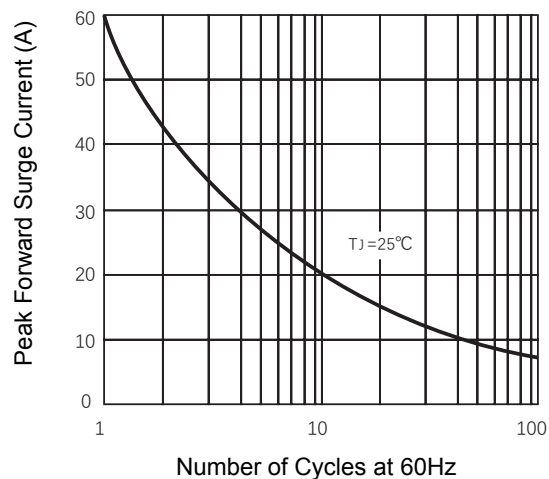


Figure 1. Maximum Forward Surge Current

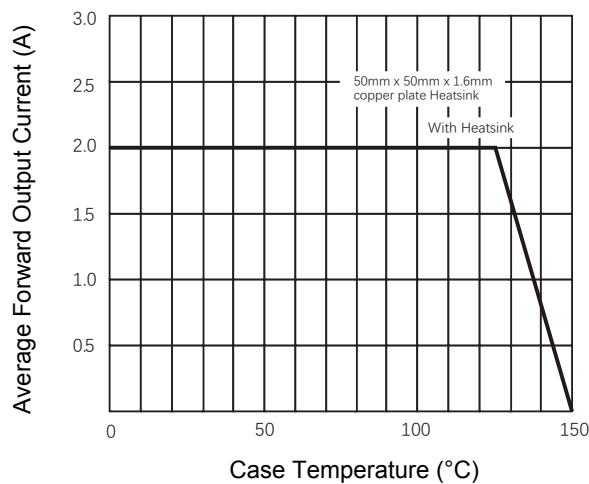


Figure 2. Forward Current Derating Curve

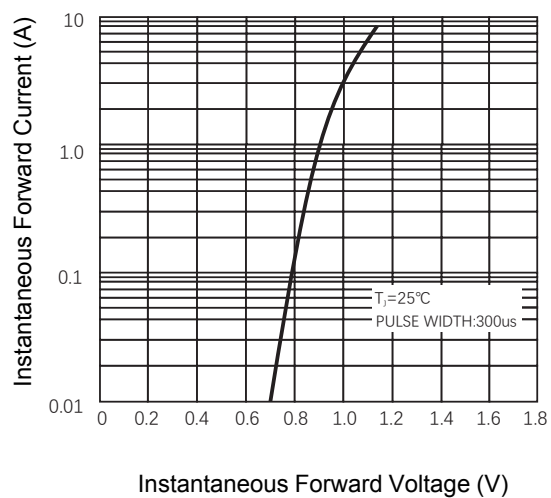


Figure 3. Typical Forward Characteristics

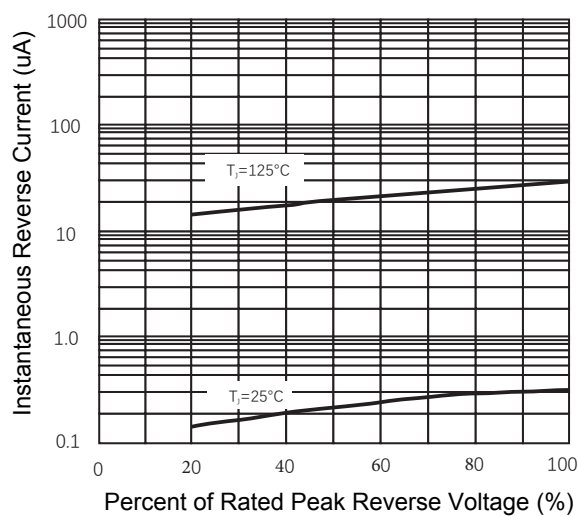
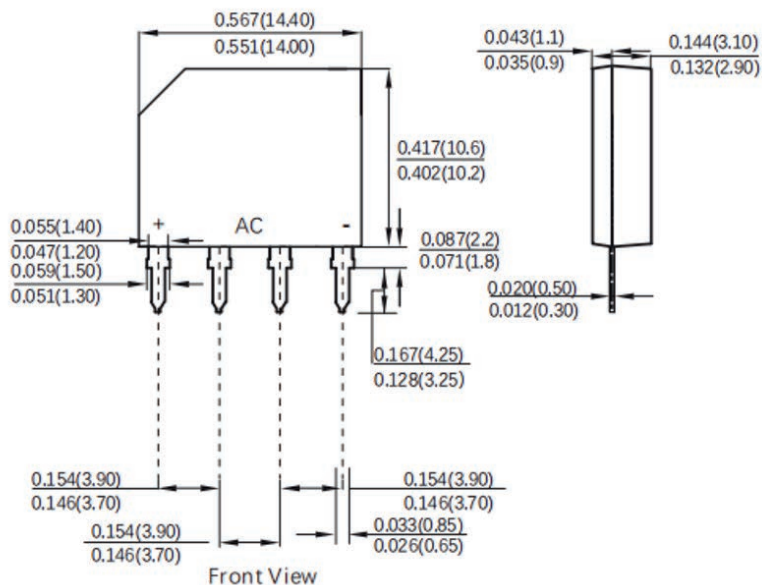


Figure 4. Typical Reverse Characteristics

GSKBP201A thru GSKBP210A

General Purpose Bridge Rectifiers
Reverse Voltage 100V to 1000V Forward Current 2A

Package Outline Dimensions (KBPA)



Dimensions in inches and (millimeters)

Order Information

Device	Package	Marking	Carrier	Quantity
GSKBP201A	KBPA	KBP201A	Tube	30pcs / Tube
GSKBP202A	KBPA	KBP202A	Tube	30pcs / Tube
GSKBP204A	KBPA	KBP204A	Tube	30pcs / Tube
GSKBP206A	KBPA	KBP206A	Tube	30pcs / Tube
GSKBP208A	KBPA	KBP208A	Tube	30pcs / Tube
GSKBP210A	KBPA	KBP210A	Tube	30pcs / Tube