

KBPC15, 25, 35G/W SERIES

15, 25, 35A GLASS PASSIVATED BRIDGE RECTIFIER

Features

- Glass Passivated Die Construction
- Low Reverse Leakage Current
- Low Power Loss, High Efficiency
- Electrically Isolated Epoxy Case for Maximum Heat Dissipation
- Case to Terminal Isolation Voltage 2500V

H Metal Heat Sink KBPC-G KBPC-GW

Mechanical Data

- Case: Epoxy Case with Heat Sink Internally Mounted in the Bridge Encapsulation
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Symbols Marked on Case
- Mounting: Through Hole for #10 Screw
- Weight: KBPC-G 24 grams (approx.)
 KBPC-GW 21 grams (approx.)
- Marking: Type Number

"W" Suffix Designates Wire Leads No Suffix Designates Faston Terminals *All Models are Available on B(Height)=7.9mm Max. Epoxy Case

	KBPC-G		KBPC-GW		
Dim	Min	Max	Min	Max	
Α	28.40	28.70	28.40	28.70	
В	10.97	11.23	10.97	11.23	
С	15.70	16.70	17.10	19.10	
D	17.50	18.50	10.90	11.90	
Е	22.86	25.40	30.50	_	
G Hole for #10 screw, 5.08Ø Nominal					
Н	6.35 Typical		0.97Ø	1.07Ø	
All Dimension in mm					

Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristics		Symbol	-00G/W	-01G/W	-02G/W	-04G/W	-06G/W	-08G/W	-10G/W	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		VRRM VRWM VR	50	100	200	400	600	800	1000	V
RMS Reverse Voltage		VR(RMS)	35	70	140	280	420	560	700	V
Average Rectifier Output Current @T _C = 55°C	KBPC15 KBPC25 KBPC35	lo				15 25 35				А
Non-Repetitive Peak Forward Surge Current 8.3ms single half sine-wave Superimposed on rated load (JEDEC Method) KBPC15 KBPC25 KBPC35		IFSM	300 300 400					Α		
(nor element) KBP(C15 $@I_F = 7.5A$ C25 $@I_F = 12.5A$ C35 $@I_F = 17.5A$	VFM				1.1				V
Peark Reverse Current At Rated DC Blocking Voltage	@T _C = 25°C @T _C = 125°C	lгм				5.0 500				μA
I ² t Rating for Fusing (t < 8.3ms) (Note 1)	KBPC15 KBPC25 KBPC35	l ² t				375 375 660				A ² s

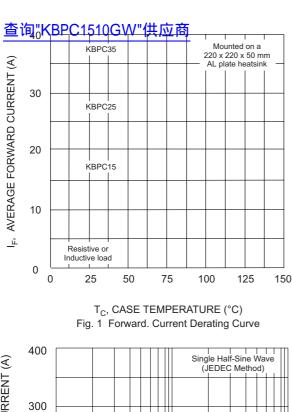
Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

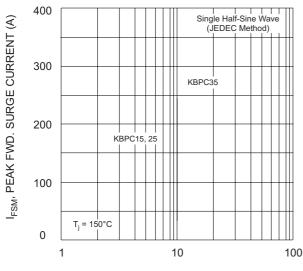
Typical Junction Capacitance (per element) (Note 2)		Cj	300	pF
Typical Thermal Resistance Junction to Case (per element) (Note 3)	KBPC15 KBPC25 KBPC35	$R_{ heta}$ JC	5.3 3.6 3.0	K/W
RMS Isolation Voltage from Case to Lead		Viso	2500	٧
Operating and Storage Temperature Range		Тj, Тsтg	-65 to +150	°C

Note: 1. Measured at non-repetitive, for t > 1ms and < 8.3ms.

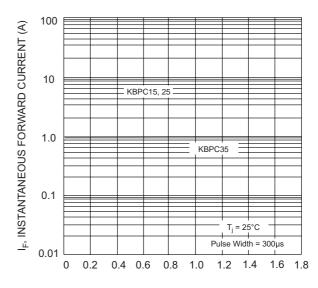
^{2.} Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

^{3.} Thermal resistance junction to case mounted on heatsink.





NUMBER OF CYCLES AT 60 Hz Fig. 3 Max Non-Repetitive Surge Current



V_F, INSTANTANEOUS FORWARD VOLTAGE (V) Fig. 2 Typical Forward Characteristics (per element)

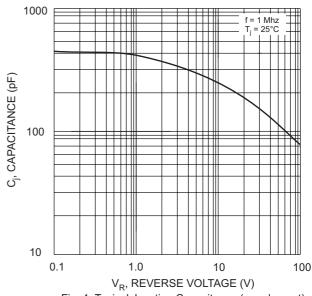
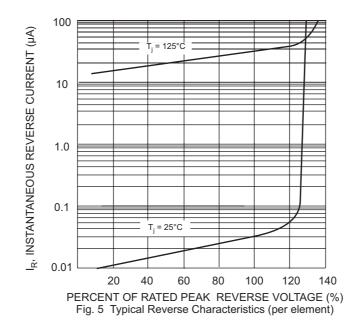


Fig. 4 Typical Junction Capacitance (per element)



查询"KBPC1510GW"供应商

ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity		
KBPCxx00G	Square Bridge	50 Units/Box		
KBPCxx00GW	Square Bridge	50 Units/Box		
KBPCxx01G	Square Bridge	50 Units/Box		
KBPCxx01GW	Square Bridge	50 Units/Box		
KBPCxx02G	Square Bridge	50 Units/Box		
KBPCxx02GW	Square Bridge	50 Units/Box		
KBPCxx04G	Square Bridge	50 Units/Box		
KBPCxx04GW	Square Bridge	50 Units/Box		
KBPCxx06G	Square Bridge	50 Units/Box		
KBPCxx06GW	Square Bridge	50 Units/Box		
KBPCxx08G	Square Bridge	50 Units/Box		
KBPCxx08GW	Square Bridge	50 Units/Box		
KBPCxx10G	Square Bridge	50 Units/Box		
KBPCxx10GW	Square Bridge	50 Units/Box		

Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.

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