

GLASS PASSIVATED BRIDGE RECTIFIERS		REVERSE VOLTAGE 50 to 1000 Volts FORWARD CURRENT 4 Amperes							
FEATURES • Glass passivated chip					G	BL			
Low forward voltage drop				.81	(20.6)			.142	(3.6) (3.4)
0		.0)98 (2.5) *45° Chamfer	.77	(19.6)	-	_	-	-
 Ideal for printed circuit board 				\mathbf{Y}		.44 (1	1.2)		
High surge current capability			(2.7) (2.3)	+ ~	~	- <u>.56 (1</u> .50 (1	- -	43 (1.1)	_
MECHANICAL DATA			.059 (1.5) .051 (1.3)	.190 .	210 .210 190 .190	.045	02	24 (0.60) 6 (0.40)	-
Polarity: As marked on Body					$\frac{5.3)}{4.8}$ $\frac{(5.3)}{(4.8)}$				
Mounting position: Any									
5				Dimensi	ons in inch	ies and (m	illimeters)		
MAXIMUM RATINGS AND ELECTRICAL CHARAC	FRISTICS								
MAXIMUM RATINGS AND ELECTRICAL CHARAC Ratings at 25°C ambient temperature unless otherwis Single phase, half wave, 60Hz, resistive or inductive For capacitive load, derate current by 20%	se specified load.		GBL	GBL	GBL	GBL	GBL	GBL	11-3
Ratings at 25°C ambient temperature unless otherwis Single phase, half wave, 60Hz, resistive or inductive For capacitive load, derate current by 20% Characteristics	se specified load. Symbol	GBL 401	402	403	404	405	406	407	Unit
Ratings at 25°C ambient temperature unless otherwis Single phase, half wave, 60Hz, resistive or inductive For capacitive load, derate current by 20% Characteristics Maximum Repetitive Peak Reverse Voltage	se specified load. Symbol V _{RRM}	GBL 401 50	402 100	403 200	404 400	405 600	406 800	407 1000	V
Ratings at 25°C ambient temperature unless otherwis Single phase, half wave, 60Hz, resistive or inductive For capacitive load, derate current by 20% Characteristics Maximum Repetitive Peak Reverse Voltage Maximum RMS Voltage	se specified load. Symbol V _{RRM} V _{RMS}	GBL 401 50 35	402 100 70	403 200 140	404 400 280	405 600 420	406 800 560	407 1000 700	V
Ratings at 25°C ambient temperature unless otherwis Single phase, half wave, 60Hz, resistive or inductive For capacitive load, derate current by 20% Characteristics Maximum Repetitive Peak Reverse Voltage	se specified load. Symbol V _{RRM} V _{RMS} V _{DC}	GBL 401 50	402 100	403 200	404 400 280 400	405 600	406 800	407 1000	V V V
Ratings at 25°C ambient temperature unless otherwis Single phase, half wave, 60Hz, resistive or inductive For capacitive load, derate current by 20% Characteristics Maximum Repetitive Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current @T_=100°C	se specified load. Symbol V _{RRM} V _{RMS}	GBL 401 50 35	402 100 70	403 200 140	404 400 280	405 600 420	406 800 560	407 1000 700	V
Ratings at 25°C ambient temperature unless otherwis Single phase, half wave, 60Hz, resistive or inductive For capacitive load, derate current by 20% Characteristics Maximum Repetitive Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current	se specified load. Symbol V _{RRM} V _{RMS} V _{DC}	GBL 401 50 35	402 100 70	403 200 140	404 400 280 400	405 600 420	406 800 560	407 1000 700	V V V
Ratings at 25°C ambient temperature unless otherwis Single phase, half wave, 60Hz, resistive or inductive For capacitive load, derate current by 20% Characteristics Maximum Repetitive Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current @T_a=100°C Peak Forward Surge Current, 8.3 ms Single Half Sine-wave	se specified load. Symbol V _{RRM} V _{RMS} V _{DC} I _(AV)	GBL 401 50 35	402 100 70	403 200 140	404 400 280 400 4	405 600 420	406 800 560	407 1000 700	V V V A
Ratings at 25°C ambient temperature unless otherwis Single phase, half wave, 60Hz, resistive or inductive For capacitive load, derate current by 20% Characteristics Maximum Repetitive Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current @T_a=100°C Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Super Imposed on Rated Load (JEDEC) Peak Forward Voltage Drop Per Diode at 2A DC	Symbol V _{RRM} V _{RRM} V _{DC} I _(AV) I _{FSM} V _F	GBL 401 50 35	402 100 70	403 200 140	404 400 280 400 4 135 0.95	405 600 420	406 800 560	407 1000 700	V V V A A V
Ratings at 25°C ambient temperature unless otherwis Single phase, half wave, 60Hz, resistive or inductive For capacitive load, derate current by 20% Characteristics Maximum Repetitive Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current @T_a=100°C Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Super Imposed on Rated Load (JEDEC) Peak Forward Voltage Drop Per Diode at 2A DC at 4A DC	se specified load. V _{RRM} V _{RMS} V _{DC} I _(AV) I _{FSM} V _F I _R	GBL 401 50 35	402 100 70	403 200 140	404 400 280 400 4 135 0.95 1.05 5 500	405 600 420	406 800 560	407 1000 700	V V V A A
Ratings at 25°C ambient temperature unless otherwis Single phase, half wave, 60Hz, resistive or inductive I For capacitive load, derate current by 20% Characteristics Maximum Repetitive Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current @T _A =100°C Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Super Imposed on Rated Load (JEDEC) Peak Forward Voltage Drop Per Diode at 2A DC at 4A DC Maximum Reverse Current at Rated @T _J =25°C DC Blocking Voltage Per Diode @T _J =125°C I ² t Rating for Fusing (1ms≤t≤8.3ms)	se specified load. V _{RRM} V _{RMS} V _{DC} I _(AV) I _{FSM} V _F I _R I ² t	GBL 401 50 35	402 100 70	403 200 140	404 400 280 400 4 135 0.95 1.05 5 500 75.6	405 600 420	406 800 560	407 1000 700	V V V A A V
Ratings at 25°C ambient temperature unless otherwis Single phase, half wave, 60Hz, resistive or inductive For capacitive load, derate current by 20% $\hline Characteristics$ Maximum Repetitive Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current @T_a=100°C Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Super Imposed on Rated Load (JEDEC) Peak Forward Voltage Drop Per Diode at 2A DC at 4A DC Maximum Reverse Current at Rated @T_j=25°C DC Blocking Voltage Per Diode @T_j=125°C	Symbol VRRM VRMS VDC I(AV) IFSM VF IR IR I ² t R _{0JA}	GBL 401 50 35	402 100 70	403 200 140	404 400 280 400 4 135 0.95 1.05 5 500 75.6 28	405 600 420	406 800 560	407 1000 700	V V A A V μA A ² s
Ratings at 25°C ambient temperature unless otherwis Single phase, half wave, 60Hz, resistive or inductive I For capacitive load, derate current by 20% Characteristics Maximum Repetitive Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current @T _A =100°C Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Super Imposed on Rated Load (JEDEC) Peak Forward Voltage Drop Per Diode at 2A DC at 4A DC Maximum Reverse Current at Rated @T _J =25°C DC Blocking Voltage Per Diode @T _J =125°C I ² t Rating for Fusing (1ms≤t≤8.3ms)	se specified load. V _{RRM} V _{RMS} V _{DC} I _(AV) I _{FSM} V _F I _R I ² t R _{θJA} R _{θJC}	GBL 401 50 35	402 100 70	403 200 140	404 400 280 400 4 135 0.95 1.05 5 500 75.6 28 4.2	405 600 420	406 800 560	407 1000 700	ν ν ν Α Α ν
Ratings at 25°C ambient temperature unless otherwis Single phase, half wave, 60Hz, resistive or inductive I For capacitive load, derate current by 20% Characteristics Maximum Repetitive Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward Rectified Current @T _A =100°C Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Super Imposed on Rated Load (JEDEC) Peak Forward Voltage Drop Per Diode at 2A DC at 4A DC Maximum Reverse Current at Rated @T _J =25°C DC Blocking Voltage Per Diode @T _J =125°C I ² t Rating for Fusing (1ms≤t≤8.3ms)	Symbol VRRM VRMS VDC I(AV) IFSM VF IR IR I ² t R _{0JA}	GBL 401 50 35	402 100 70	403 200 140 200	404 400 280 400 4 135 0.95 1.05 5 500 75.6 28	405 600 420 600	406 800 560	407 1000 700	V V A A A V μA A ² s



Rating and Characteristic Curves

