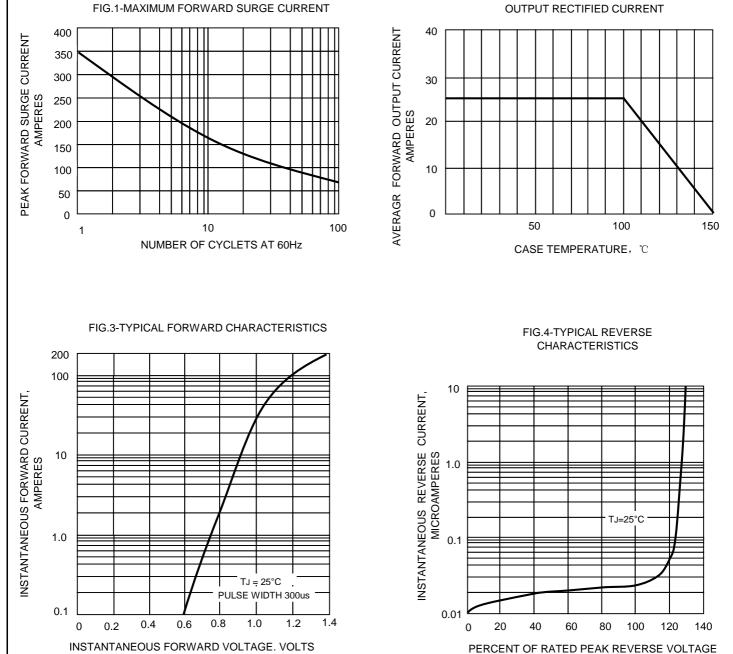


## **GBU2506L**

BRIDGE RECTIFIERS		REVERSE VOLTAGE - 600 Volts FORWARD CURRENT - 25.0 Ampe	eres
<ul> <li>FEATURES</li> <li>Surge overload rating -350 amperes peak</li> <li>Ideal for printed circuit board</li> <li>Reliable low cost construction utilizing molded plastic technique</li> <li>Plastic material has U/L flammability classification 94V-0</li> <li>Mounting postition:Any</li> </ul>		GBU -437(11.1) -430(10.9) .874(22.2) -126(3.2)*45° CHAMFER -161(4.1) -752(19.1) .752(19.1) .720(18.3) -073(1.85) .057(1.45) .057(1.45) .057(1.45) .057(1.45) .057(1.45) .057(1.45) .057(1.45) .057(1.45) .057(1.45) .0080(2.03) .080(2.03) .005(1.65) .091(2 .091(2) .091(2) .091(2) .092(4)	
MAXIMUM RATINGS AND ELECTRIC		.210         .210         .210         .022(.1)           .190         .190         .190         .018(.2)           (5.3)         (5.3)         (5.3)         (4.8)           Dimensions in inches and (milimeters)         Dimeters)         ACTERISTICS	
		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
Rating at 25 $^\circ\!\mathrm{C}$ ambient temperature unless otherwi	se specified.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
Rating at 25 $^\circ\!\!\!\mathrm{C}$ ambient temperature unless otherwi Single phase, half wave ,60Hz, resistive or inductiv	se specified.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
Rating at 25 $^\circ\!\!\!\mathrm{C}$ ambient temperature unless otherwi Single phase, half wave ,60Hz, resistive or inductiv	se specified.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	46) =    =
Rating at 25 <sup>°</sup> C ambient temperature unless otherwi Single phase, half wave ,60Hz, resistive or inductiv For capacitive load, derate current by 20% CHARACTERISTICS	se specified. e load.	100       .100       .100       .018(.4         (5.3)       (5.3)       (5.3)       .018(.4         Dimensions in inches and (milimeters)       Dimensions in inches and (milimeters)	46) =    =
Rating at 25°C ambient temperature unless otherwi Single phase, half wave ,60Hz, resistive or inductiv For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage	se specified. e load. SYMBOL	.190       .190       .190       .018(.4         (5.3)       (5.3)       (5.3)       (4.8)         Dimensions in inches and (milimeters)	46) =    =
MAXIMUM RATINGS AND ELECTRIC Rating at 25°C ambient temperature unless otherwi Single phase, half wave ,60Hz, resistive or inductiv For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage	se specified. e load. SYMBOL VRRM	100       100       100       .018(.4         (5.3)       (5.3)       (5.3)       (4.8)         Dimensions in inches and (milimeters)    ACTERISTICS  GBU2506L  600	46) =    =
Rating at 25 °C ambient temperature unless otherwis Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward (with heatsink Note 2)	se specified. e load. SYMBOL VRRM VRMS VDC	Image: Constraint of the second system       Image: Constraint	46)
Rating at 25 °C ambient temperature unless otherwis Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward (with heatsink Note 2) Rectified Current @ Tc=100°C (without heatsink) Peak Forward Surge Current 8.3ms Single Half Sine-Wave	se specified. e load. SYMBOL VRRM VRMS	Image: Constraint of the second system       Image: Constraint	46)
Rating at 25 °C ambient temperature unless otherwis Single phase, half wave ,60Hz, resistive or inductive For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum Average Forward (with heatsink Note 2) Rectified Current @ Tc=100°C (without heatsink) Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	se specified. e load. SYMBOL VRRM VRMS VDC I(AV) IFSM	100       100       100       .018(.4         (5.3)       (5.3)       (5.3)       (4.8)         Dimensions in inches and (milimeters)       ACTERISTICS         GBU2506L         600       420         600       25.0         4.2       350	46)
Rating at 25°C ambient temperature unless otherwis Single phase, half wave ,60Hz, resistive or inductiv For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum DC Blocking Voltage Maximum Average Forward (with heatsink Note 2) Rectified Current @ Tc=100°C (without heatsink) Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method) Maximum Forward Voltage at 12.5A DC	se specified. e load. VRRM VRMS VDC I(AV) IFSM VF	Image: Apple of the second system       Image:	46)
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Rating at 25°C ambient temperature unless otherwi Single phase, half wave ,60Hz, resistive or inductiv For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage Maximum RMS Voltage Maximum DC Blocking Voltage Maximum DC Blocking Voltage Maximum Average Forward (with heatsink Note 2) Rectified Current @ Tc=100°C (without heatsink) Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method) Maximum DC Reverse Current @ TJ=25°C at Rated DC Blocking Voltage @ TJ=125°C I <sup>2</sup> t Rating for Fusing (t<8.3ms) Typical Junction Capacitance Per Element (Note1)	se specified. e load. VRRM VRMS VDC I(AV) IFSM VF IR IR I <sup>2</sup> t CJ	Image: Arrow of the second system       Image: Arrow of the second system       Image: Arrow of the second system         Image: Arrow of the second system       Image: Arrow of the second system       Image: Arrow of the second system         Image: Arrow of the second system       Image: Arrow of the second system       Image: Arrow of the second system         Image: Arrow of the second system       Image: Arrow of the second system       Image: Arrow of the second system         Image: Arrow of the second system       Image: Arrow of the second system       Image: Arrow of the second system         Image: Arrow of the second system       Image: Arrow of the second system       Image: Arrow of the second system         Image: Arrow of the second system       Image: Arrow of the second system       Image: Arrow of the second system         Image: Arrow of the second system       Image: Arrow of the second system       Image: Arrow of the second system         Image: Arrow of the second system       Image: Arrow of the second system       Image: Arrow of the second system         Image: Arrow of the second system       Image: Arrow of the second system       Image: Arrow of the second system         Image: Arrow of the second system       Image: Arrow of the second system       Image: Arrow of the second system         Image: Arrow of the second system       Image: Arrow of the second system       Image: Arrow of the second system         Image: Arrow of the sec	46)

## RATING AND CHARACTERTIC CURVES GBU2506L

FIG.2- DERATING CURVE



The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!

REV. 2, 18-Aug-2015