

GBL4005 THRU GBL410

SINGLE PHASE 4.0AMPS. GLASS PASSIVATED BRIDGE RECTIFIERS	Voltage Range 50 to 1000 Volts Current 4.0 Amperes
FEATURES <ul style="list-style-type: none"> ● Surge overload rating - 125 amperes peak ● Ideal for printed circuit board ● Plastic material has underwriters laboratory flammability classification 94V-0 ● Mounting position: Any ● Weight: 0.076 ounces , 2.15 grams 	<p style="text-align: center;">Dimensions in inches and (millimeters)</p>

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	GBL	GBL	GBL	GBL	GBL	GBL	GBL	UNIT
		4005	401	402	404	406	408	410	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ $T_A=50^\circ C$ (Note1)	I_{AV}	4.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I_{FSM}	125							A
Maximum Forward Voltage Drop Per Bridge Element at 4.0A Peak	V_F	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage	I_R	10.0							uA
Maximum Reverse Current at Rated DC Blocking Voltage @ $T_A=150^\circ C$	I_R	1.0							mA
Operating Temperature Range	T_J	-55 to +150							°C
Storage Temperature Range	T_{TG}	-55 to +150							°C

Note: 1. Mounting conditions, 0.5" lead length maximum.

RATING AND CHARACTERISTIC CURVES GBL4005 THRU GBL410

FIG.1-MAXIMUM NON-REPETITIVE SURGE CURRENT

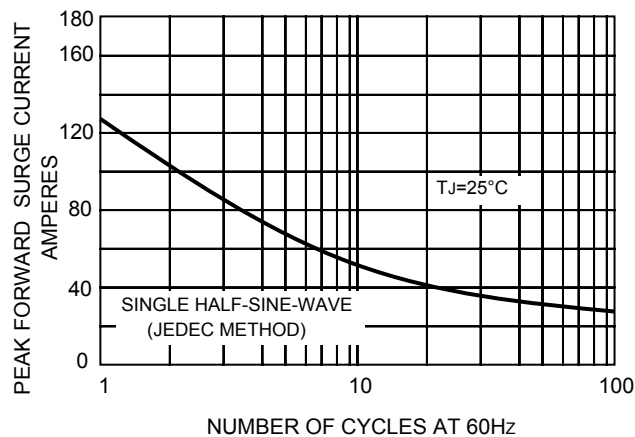


FIG.2-FORWARD DERATING CURRENT

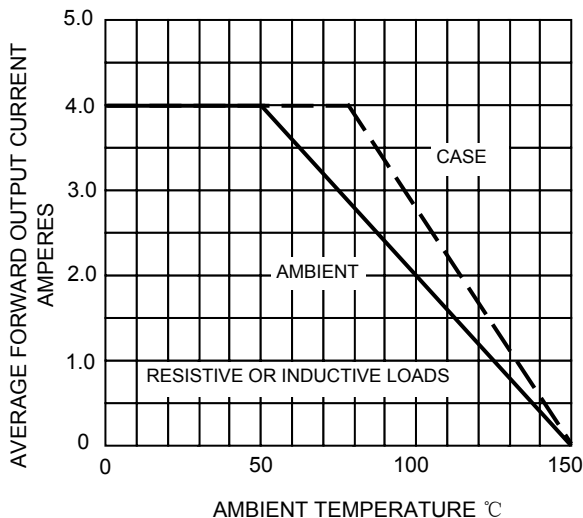


FIG.2-TYPICAL FORWARD CHARACTERISTICS

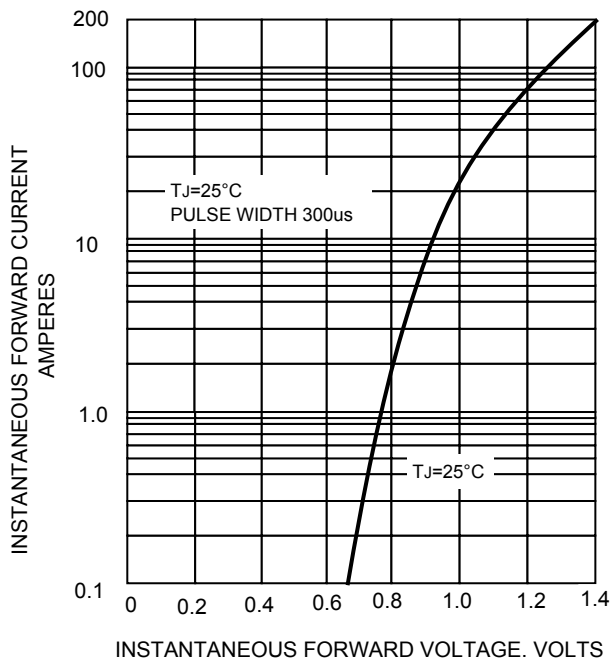


FIG.4-TYPICAL REVERSE CHARACTERISTICS

