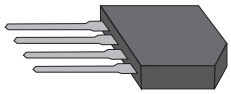
GBP200 THRU GBP210

SINGLE PHASE 2.0 AMP BRIDGE RECTIFIERS



VOLTAGE RANGE

50 to 1000 Volts

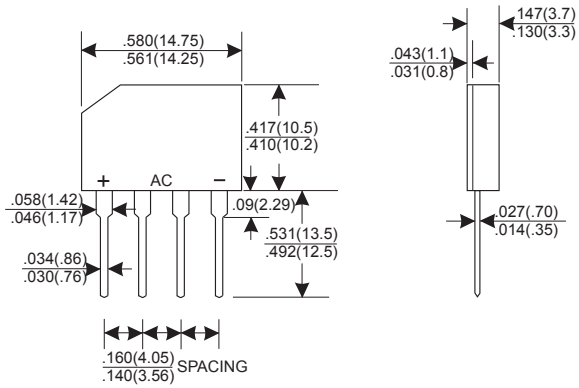
CURRENT

2.0 Amperes

FEATURES

* Ideal for printed circuit board
* Low forward voltage
* Low leakage current
* Polarity: marked on body
* Mounting position: Any
* Weight: 1.52 grams
* Both normal and Pb free product are available:
* Normal:80~95%Sn,5~20%Pb
* Pb free:99 Sn above can meet Rohs enviroment substance directive request

GBP



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	GBP200	GBP201	GBP202	GBP204	GBP206	GBP208	GBP210	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375"(9.5mm) Lead Length at Ta=85℃	2.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	60							A
Maximum Forward Voltage Drop per Bridge Element at 2.0A D.C.	1.0							V
Maximum DC Reverse Current Ta=25℃	5							μA
at Rated DC Blocking Voltage Ta=125℃	500							μA
Operating Temperature Range, T_J	-65 — +150							℃
Storage Temperature Range, T_{STG}	-65 — +150							℃

RATINGANDCHARACTERISTICCURVES (GBP200 THRU GBP2010)

FIG.1-TYPICALFORWARDCURRENT DERATINGCURVE

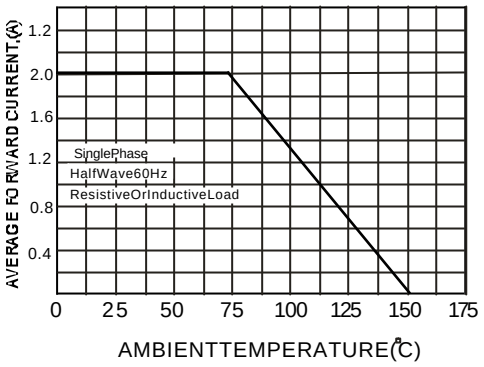


FIG.2-MAXIMUMNON-REPETITIVEFORWARD SURGECURRENT

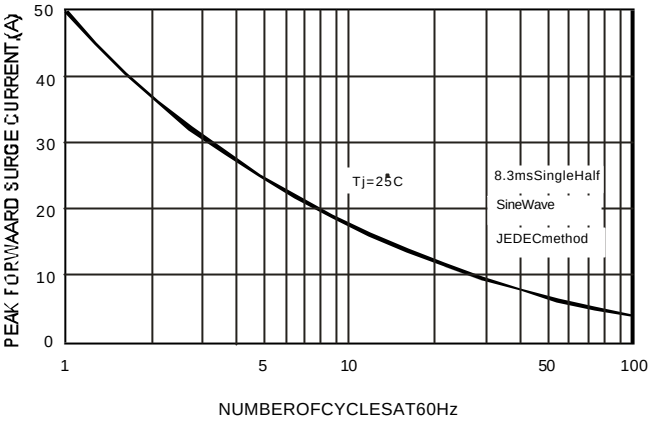


FIG.3-TYPICALFORWARD CHARACTERISTICS

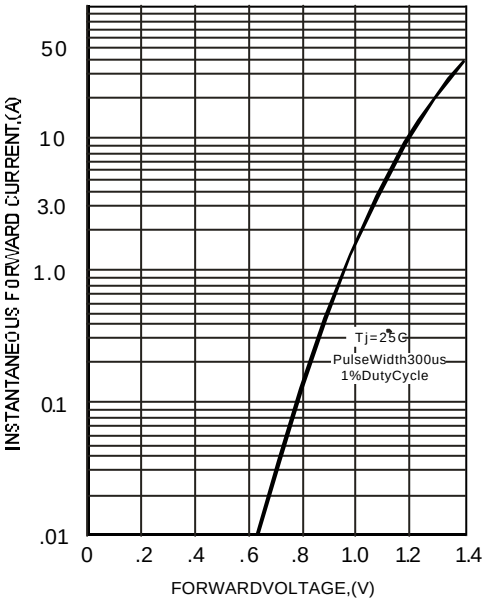


FIG.4-TYPICALREVERSE CHARACTERISTICS

