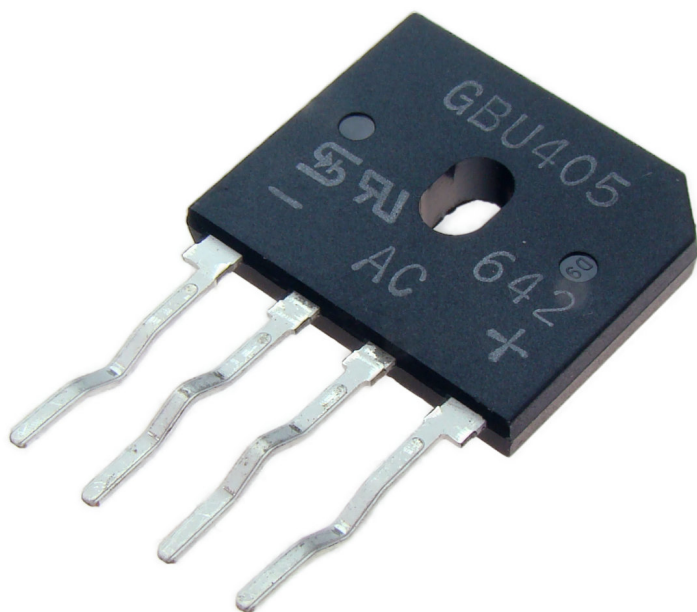




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Mostek GBU405 PANJIT(4A/600V)płaski



Dane techniczne:

Nazwa: GBU405

Typ elementu półprzewodnikowego: mostek prostowniczy

Napięcie wsteczne maksymalne: 600V

Prąd przewodzenia: 4A

Wersja: płaski

Montaż elektryczny: THT

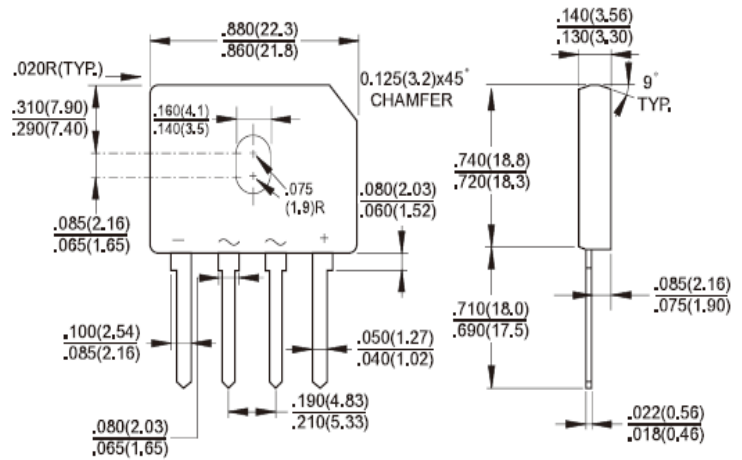
www.podzespoly-elektroniczne.pl

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RoHS
COMPLIANCE

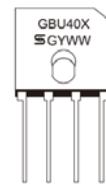

Features

- ✧ UL Recognized File # E-326243
- ✧ Ideal for printed circuit board
- ✧ Reliable low cost construction
- ✧ Plastic material has Underwriters laboratory flammability Classification 94V-0
- ✧ High case dielectric strength of 1500 VRMS
- ✧ Surge overload rating to 150 amperes peak
- ✧ High temperature soldering guaranteed: 260°C/10 seconds at 5 lbs., (2.3kg) tension
- ✧ Green compound with suffix "G" on packing code & prefix "G" on datecode



Dimensions in inches and (millimeters)

Marking Diagram



GBU40X = Specific Device Code
G = Green Compound
Y = Year
WW = Work Week

Mechanical Data

- ✧ Case: Molded plastic body
- ✧ Terminals: Pure tin plated, lead free, solderable per MIL-STD-202, Method 208
- ✧ Weight: 4 grams
- ✧ Mounting Torque : 5 in. lb. max

Maximum Ratings and Electrical Characteristics

Rating at 25 °C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Type Number	Symbol	GBU 401	GBU 402	GBU 403	GBU 404	GBU 405	GBU 406	GBU 407	Unit
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS 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 Current @T _C =100°C	I _{F(AV)}	4							A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	150							A
Rating of fusing (t<8.3ms)	I ² T	93							A ² S
Maximum Instantaneous Forward Voltage @2.0A @4.0A	V _F	1.0 1.1							V
Maximum DC Reverse Current @T _A =25°C at Rated DC Block Voltage (Note 1) @ T _A =125 °C	I _R	5 500							uA
Typical Junction Capacitance per leg (Note 2)	C _j	100				45			pF
Typical Thermal Resistance (Note 3)	R _{θJA} R _{θJC}	20 4							°C/W
Operating Temperature Range	T _J	- 55 to + 150							°C
Storage Temperature Range	T _{STG}	- 55 to + 150							°C

Note 1 : Pulse Test with PW=300 usec, 1% Duty Cycle

Note 2 : Measured at 1MHz and applied Reverse bias of 4.0V DC

Note 3 : Unit case mount on 4" x 6" x 0.25" Al plate heat sink

RATINGS AND CHARACTERISTIC CURVES (GBU401 THRU GBU407)

FIG. 1 FORWARD CURRENT DERATING CURVE

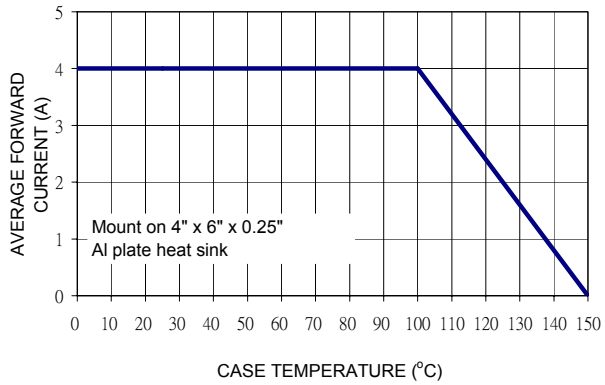


FIG. 2 TYPICAL REVERSE CHARACTERISTICS

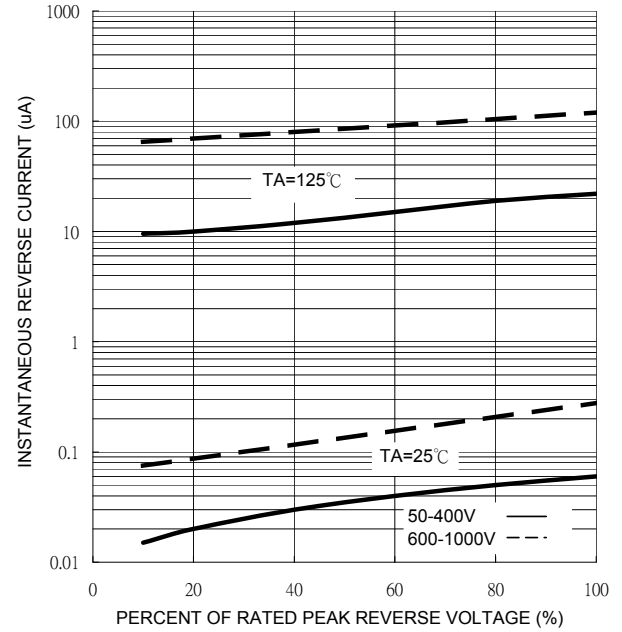


FIG. 2 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

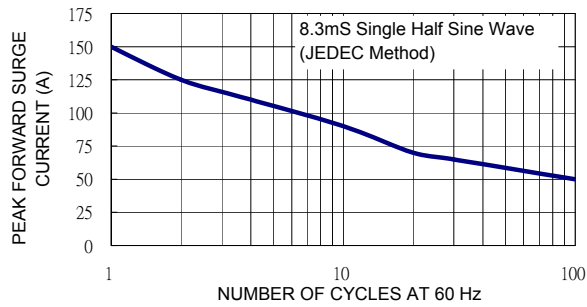


FIG. 5 TYPICAL JUNCTION CAPACITANCE

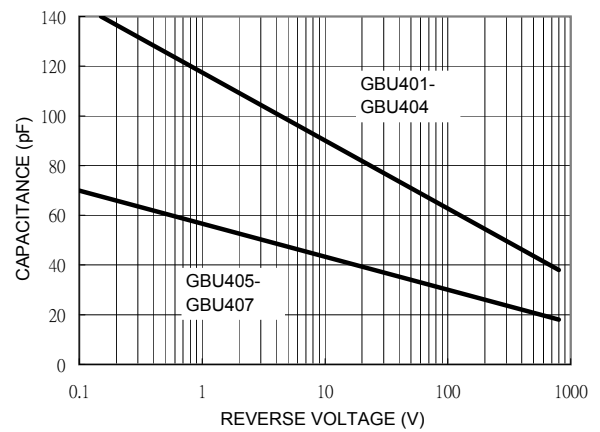


FIG. 4 TYPICAL FORWARD CHARACTERISTICS

