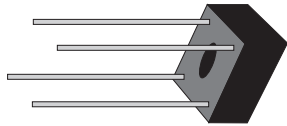


# BR405 THRU BR410

SINGLE PHASE 4.0 AMP BRIDGE RECTIFIERS



## FEATURES

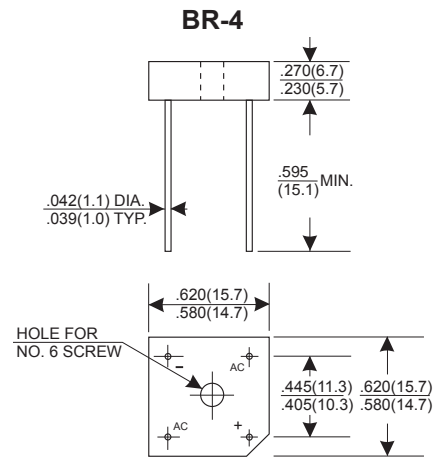
- \* Low forward voltage
- \* Low leakage current
- \* Mounting: Hole thru for #6 screw
- \* Mounting position: Any
- \* Both normal and Pb free products are available:
- \* Normal: 80~95% Sn, 5~20% Pb
- \* Pb free: 99 Sn above can meet Rohs enviroments substance directive request

## VOLTAGE RANGE

50 to 1000 Volts

## CURRENT

4.0 Amperes



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	BR405	BR41	BR42	BR44	BR46	BR48	BR410	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 Tc=50°C								4.0	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)								125	A
Maximum Forward Voltage Drop per Bridge Element at 4.0A D.C.								1.1	V
Maximum DC Reverse Current Ta=25°C								10	μA
at Rated DC Blocking Voltage Ta=100°C								200	μA
Operating Temperature Range, Tj								-65 — +150	°C
Storage Temperature Range, Tstg								-65 — +150	°C

## RATING AND CHARACTERISTIC CURVES (BR405 THRU BR410)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

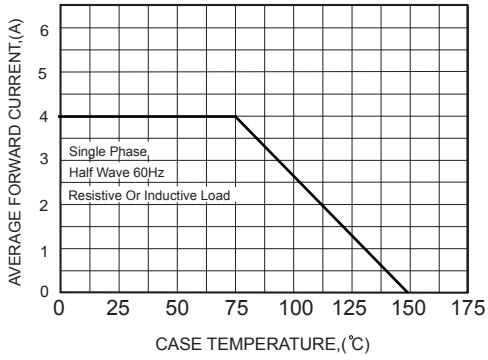


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

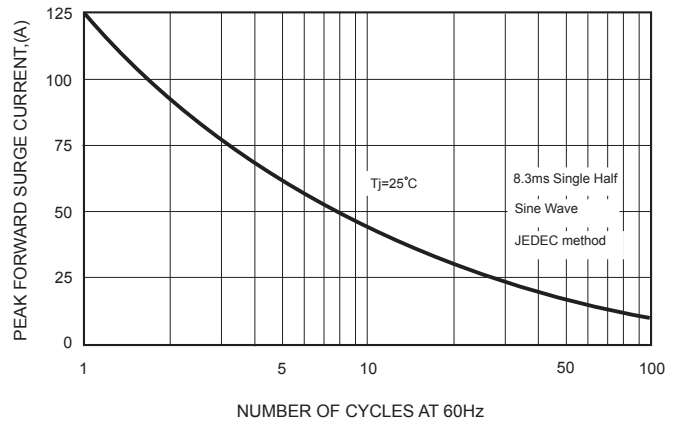


FIG.3-TYPICAL FORWARD CHARACTERISTICS

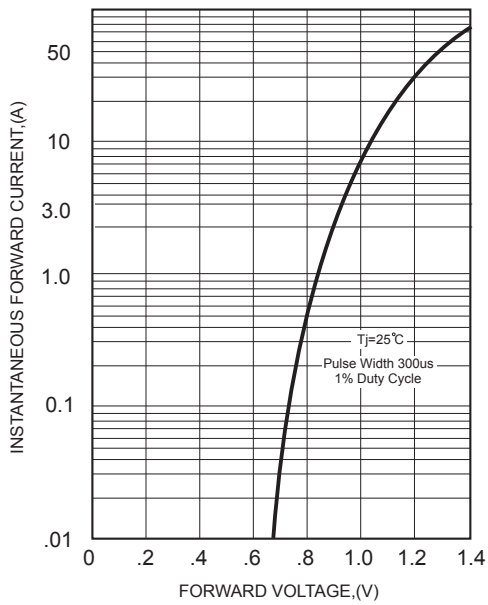


FIG.4-TYPICAL REVERSE CHARACTERISTICS

