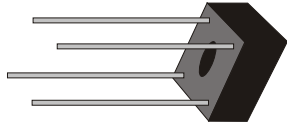


# BR1005 THRU BR1010

**FMS**

SINGLE PHASE 10 AMP BRIDGE RECTIFIERS



## FEATURES

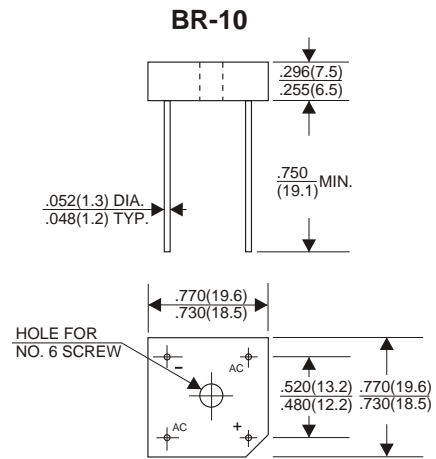
- \* Low forward voltage
- \* Low leakage current
- \* Mounting: Hole thru for #6 screw
- \* Mounting position: Any

## VOLTAGE RANGE

50 to 1000 Volts

## CURRENT

10.0 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	BR1005	BR101	BR102	BR104	BR106	BR108	BR1010	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								10	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)								200	A
Maximum Forward Voltage Drop per Bridge Element at 5.0A D.C.								1.1	V
Maximum DC Reverse Current Ta=25°C								10	mA
at Rated DC Blocking Voltage Ta=100°C								200	mA
Operating Temperature Range, Tj								-65 — +125	°C
Storage Temperature Range, Tstg								-65 — +150	°C

## RATING AND CHARACTERISTIC CURVES (BR1005 THRU BR1010)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

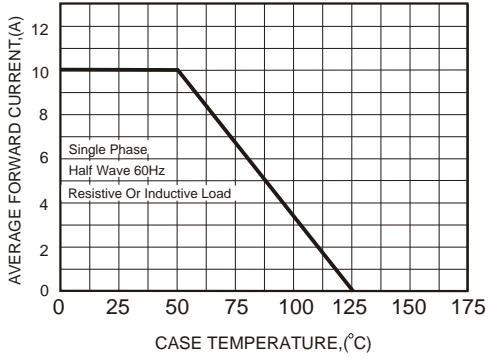


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

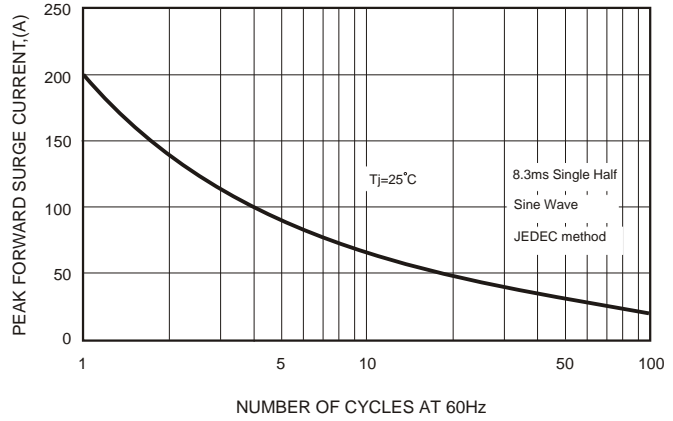


FIG.3-TYPICAL FORWARD CHARACTERISTICS

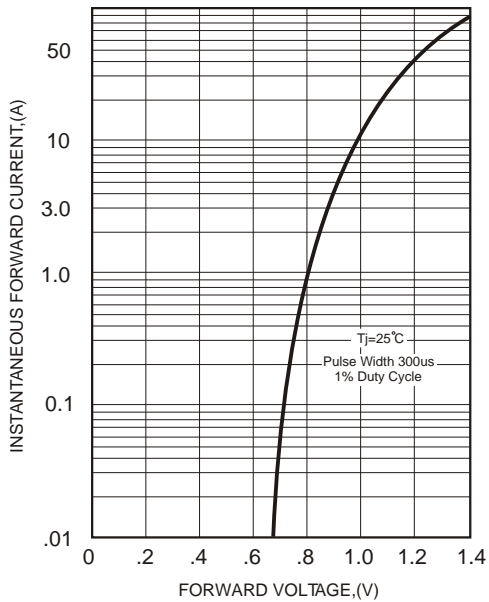


FIG.4-TYPICAL REVERSE CHARACTERISTICS

