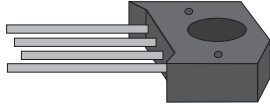


# RS601 THRU RS607



SINGLE PHASE 6.0 AMP BRIDGE RECTIFIERS



## FEATURES

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

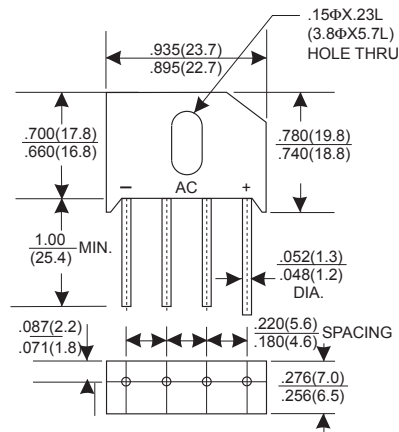
## VOLTAGE RANGE

50 to 1000 Volts

## CURRENT

6.0 Amperes

### RS-6



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	RS601	RS602	RS603	RS604	RS605	RS606	RS607	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								6.0	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)								250	A
Maximum Forward Voltage Drop per Bridge Element at 3.0A D.C.								1.0	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 (RS601 THRU RS607)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

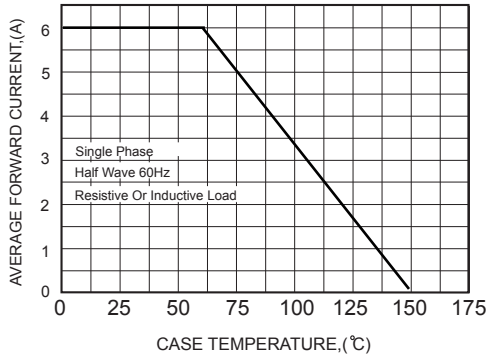


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

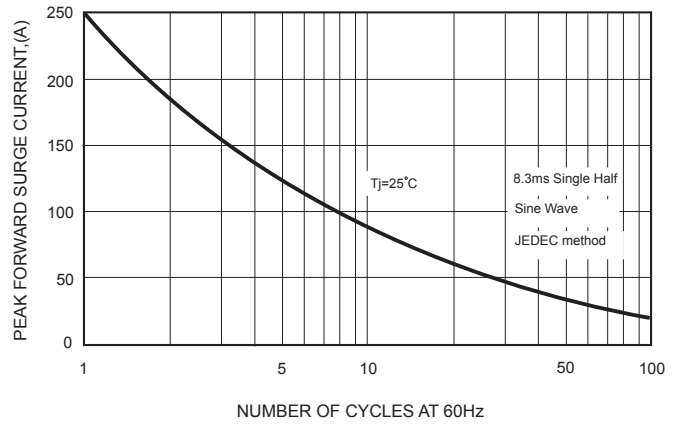


FIG.3-TYPICAL FORWARD CHARACTERISTICS

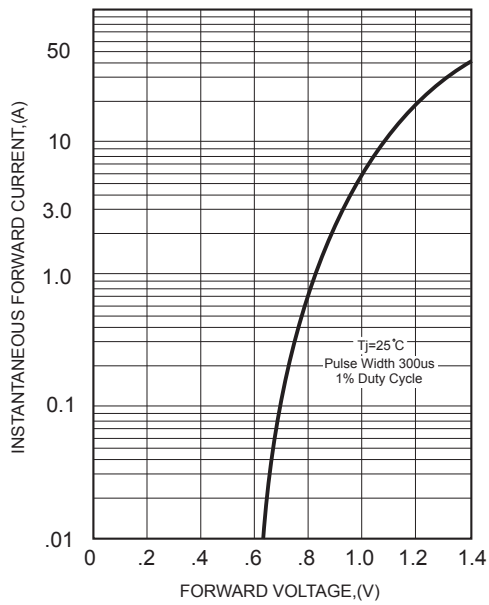


FIG.4-TYPICAL REVERSE CHARACTERISTICS

