

# T6BU01 THRU T6BU10



## SINGLE PHASE 6.0 AMP BRIDGE RECTIFIERS

### FEATURES

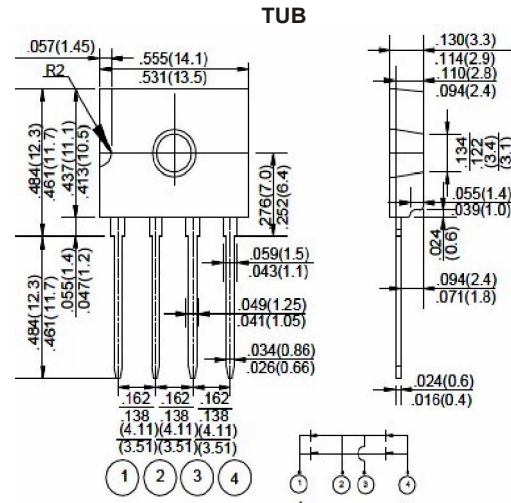
- \* Ideal for printed circuit board
- \* Low forward voltage
- \* Low leakage current
- \* Polarity: marked on body
- \* Mounting position: Any
- \* Both normal and Pb free product are available:
  - \* Normal: 80~95%Sn, 5~20%Pb
  - \* Pb free: 99 Sn above can meet Rohs enviroment substance directive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

### VOLTAGE RANGE

50 to 1000 Volts

### CURRENT

6.0 Ampere



## 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	T6BU01	T6BU02	T6BU03	T6BU04	T6BU06	T6BU08	T6BU10	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)				180				A
Maximum Forward Voltage Drop per Bridge Element at 6.0A D.C.				1.1				V
Maximum DC Reverse Current Ta=25°C				2.0				uA
at Rated DC Blocking Voltage Ta=100°C				500				uA
Operating Temperature Range, Tj				-50 — +150				°C
Storage Temperature Range, TSTG				-50 — +150				°C

## RATING AND CHARACTERISTIC CURVES (T6BU01 THRU T6BU10)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

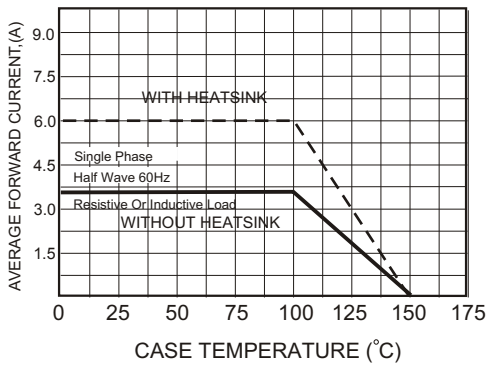


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

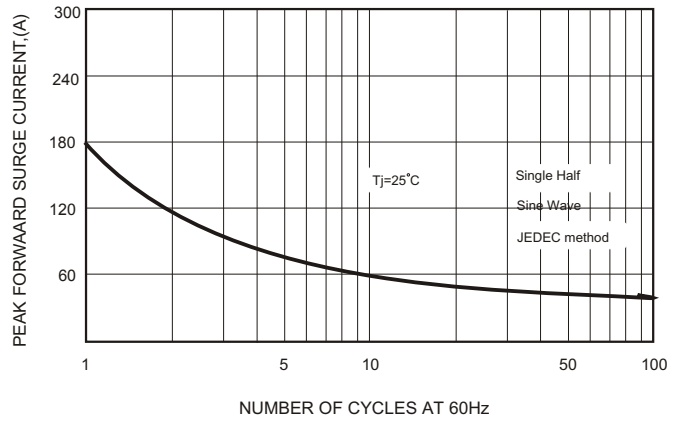


FIG.3-TYPICAL FORWARD CHARACTERISTICS

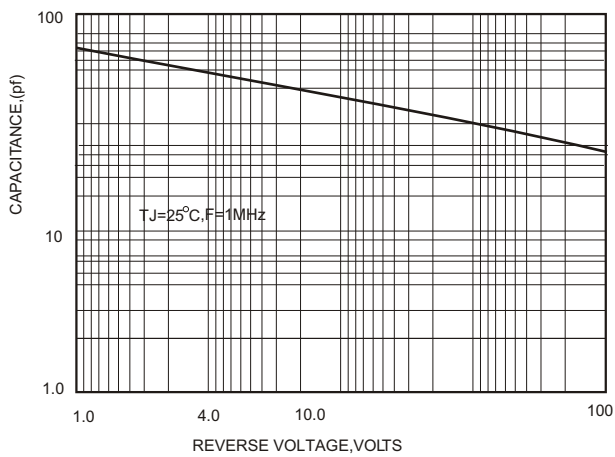


FIG.4-TYPICAL REVERSE CHARACTERISTICS

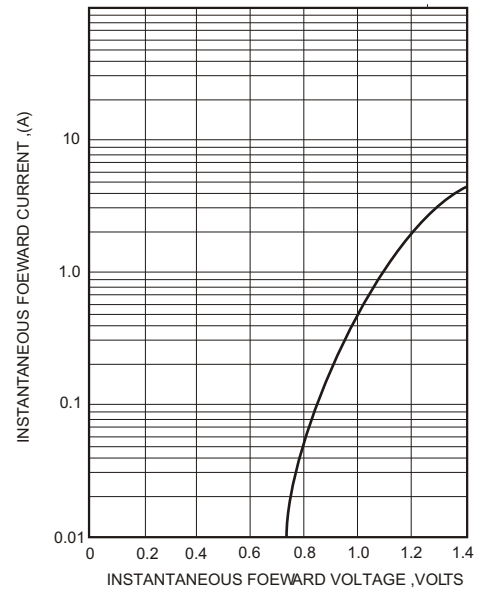


FIG.5-TYPICAL REVERSE CHARACTERISTICS

