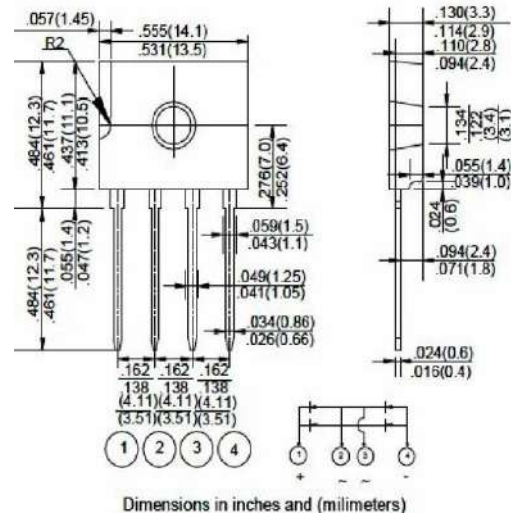


# SINGLE PHASE 10.0AMP BRIDGE RECTIFIERS

## 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

D3K



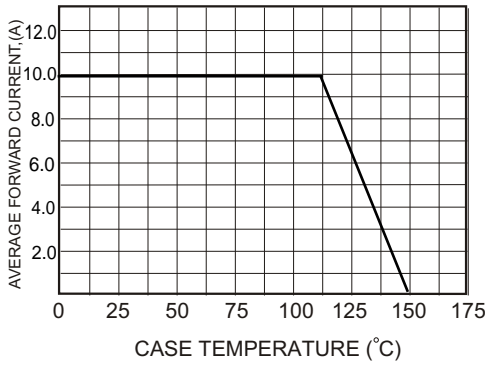
## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

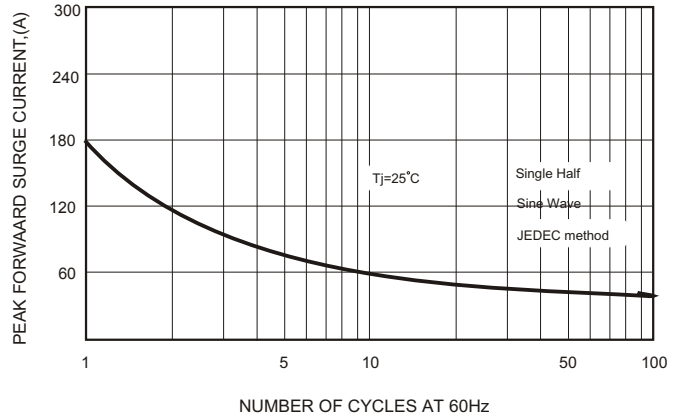
TYPE NUMBER	T6BU01	T6BU02	T6BU03	T6BU04	T6BU06	T6BU08	T6BU10	UNITS	
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V	
Maximum RMS Voltage	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V	
Maximum Average Forward Rectified Current .375"(9.5mm) Lead Length at Tc=50°C								10.0	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 10.0A D.C.								1.05	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 (T8BU01 THRU T8BU10)**

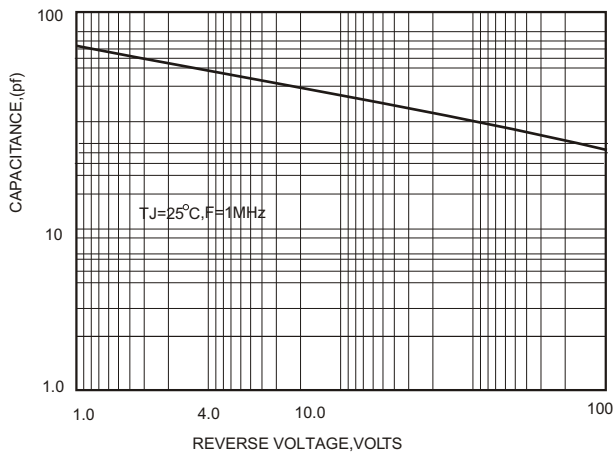
**FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE**



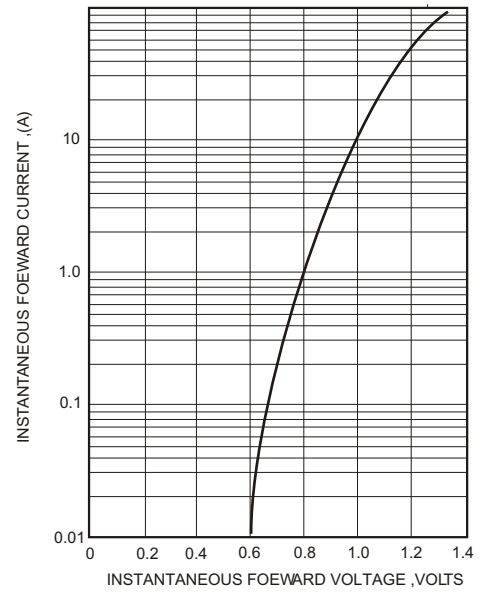
**FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT**



**FIG.3-TYPICAL FORWARD CHARACTERISTICS**



**FIG.4-TYPICAL REVERSE CHARACTERISTICS**



**FIG.5-TYPICAL REVERSE CHARACTERISTICS**

