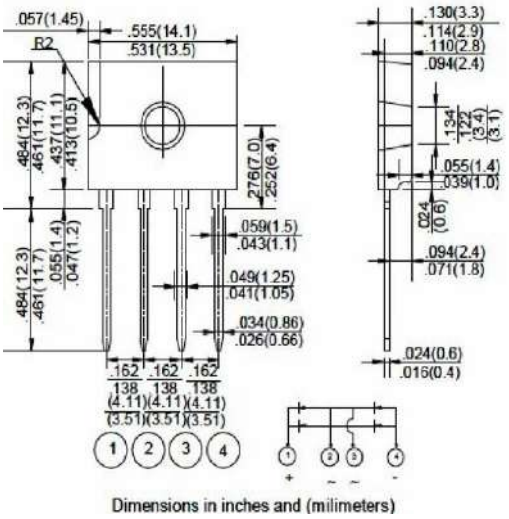
SINGLE PHASE 6.0 AMP BRIDGE RECTIFIERS

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

D3K



Dimensions in inches and (milimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25℃ ambient temperature uniess otherwies 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 3.0A D.C.		1.0							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				-55	+150				C
Storage Temperature Range, TSTG				-55	+150				C

RATING AND CHARACTERISTIC CURVES (T6BU01 THRU T6BU10)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

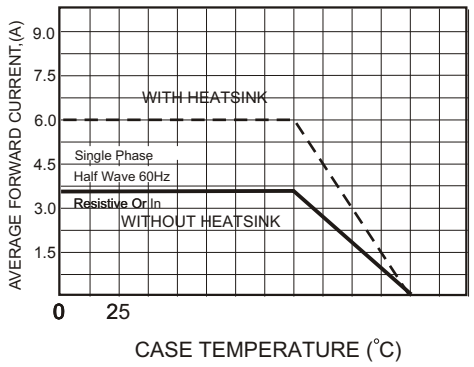


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

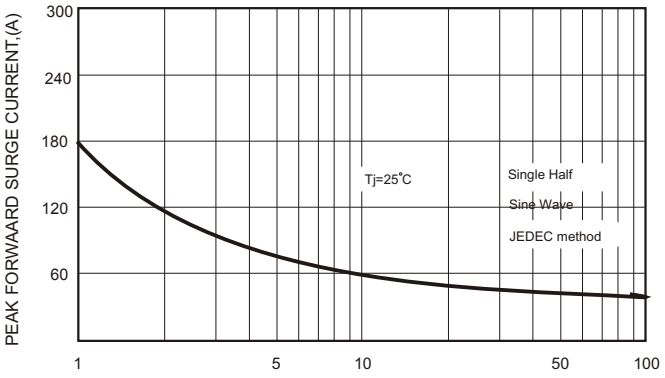


FIG.3-TYPICAL FORWARD CHARACTERISTICS

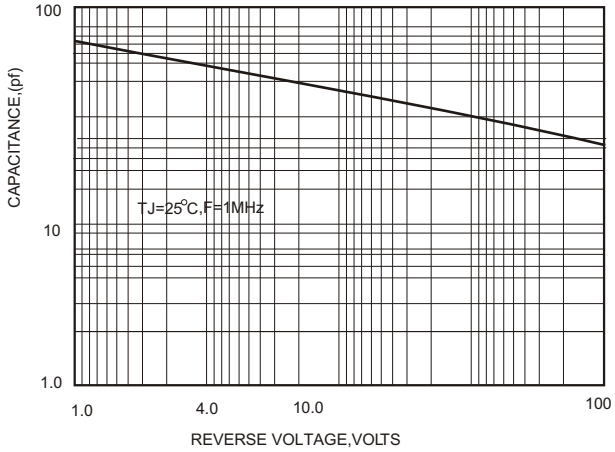


FIG.4-TYPICAL REVERSE CHARACTERISTICS

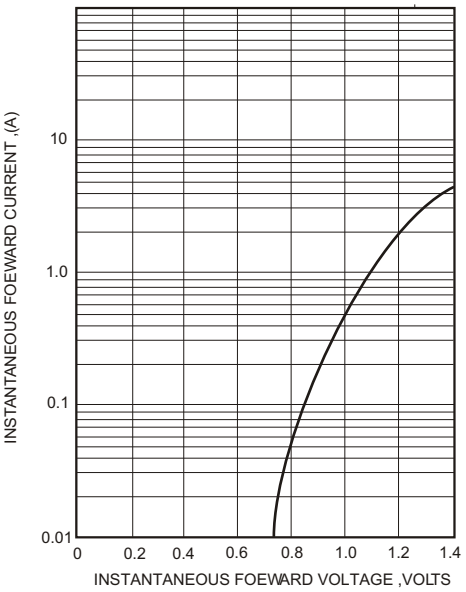


FIG.5-TYPICAL REVERSE CHARACTERISTICS