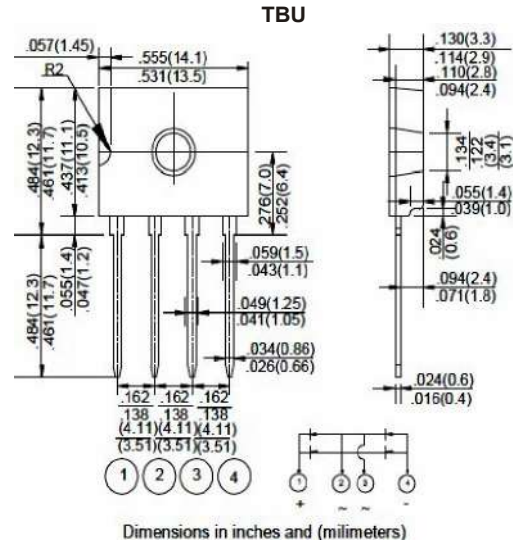


SINGLE PHASE 2.0 AMP BRIDGE RECTIFIERS

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



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	T2BU01	T2BU02	T2BU03	T2BU04	T2BU06	T2BU08	T2BU10	UNITS	
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V	
Maximum RMS Voltage	40	80	160	320	480	640	800	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								2.0	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)								75	A
Maximum Forward Voltage Drop per Bridge Element at 2.0A 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								-50 — +150	°C
Storage Temperature Range, TSTG								-50 — +150	°C
Current Squared Time I ² t 1ms≤t<10ms, Tj=25°C								26	A ² s

RATING AND CHARACTERISTIC CURVES (T2BU01 THRU T2BU10)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

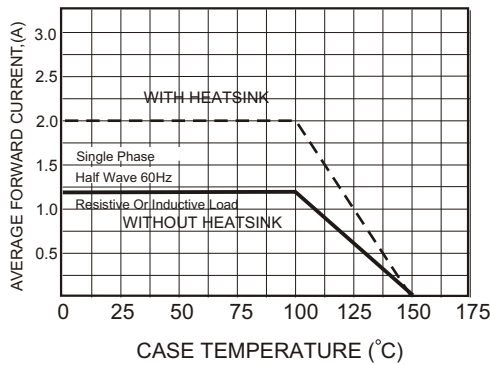


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

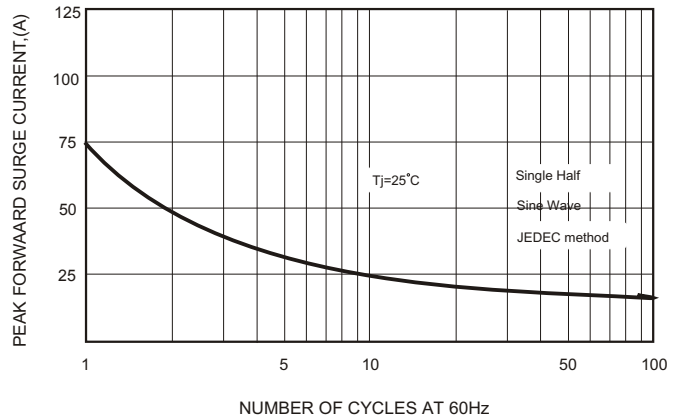


FIG.3-TYPICAL FORWARD CHARACTERISTICS

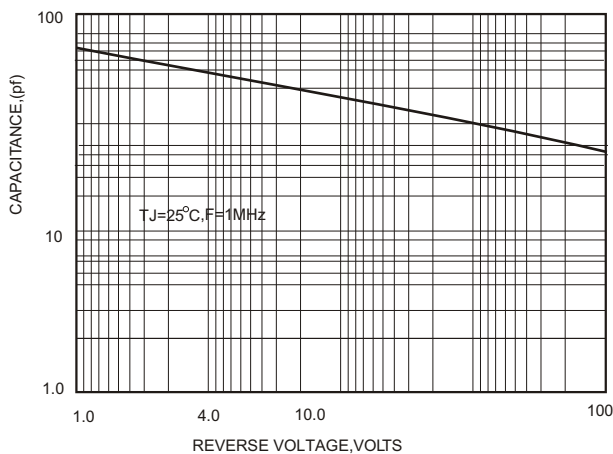


FIG.4-TYPICAL REVERSE CHARACTERISTICS

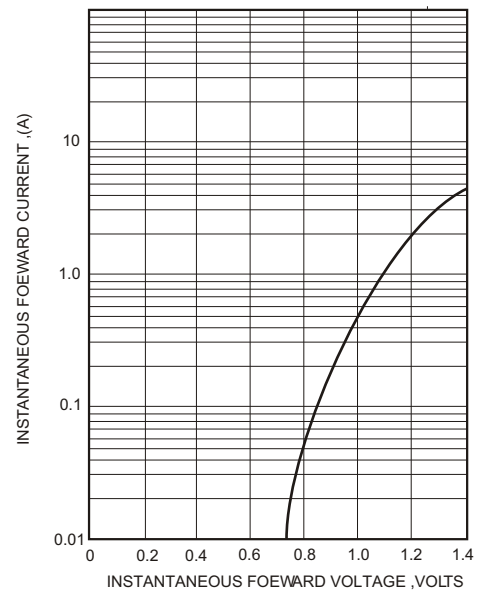


FIG.5-TYPICAL REVERSE CHARACTERISTICS

