



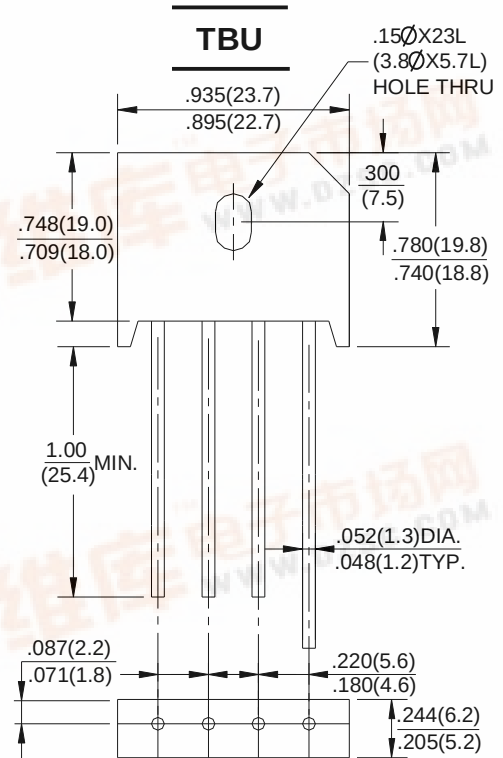
TBU 4A/6A/8AG SERIES

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000Volts
FORWARD CURRENT - 4 / 6 / 8 Amperes

FEATURES

- Surge overload rating -125~175 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has UL
- Mounting position: Any
- Mounting torque: 5 In.lb. Max



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	TBU	TBU	TBU	TBU	TBU	TBU	TBU	UNIT
		4005G	401G	402G	404G	406G	408G	410G	
		6005G	601G	602G	604G	606G	608G	610G	
		8005G	801G	802G	804G	806G	808G	810G	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	40	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	40	600	800	1000	V
Maximum Average Forward Rectified Output Current at T _C =100℃ T _A =50℃/40℃/45℃	I _(AV)	TBU4	4.0	TBU6	6.0		TBU8	8.0	A
	4.0		6.0		6.0	A			
Peak Forward Surge Current 8.3ms single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I _{FSM}		125		150			175	A
Maximum Instantaneous Forward Voltage Drop per Element at 4.0A/3.0A/4.0A	V _F		1.1		1.1			1.1	mV
Maximum Reverse Leakage at rated DC Blocking Voltage Per Element T _A =25℃ T _A =100℃	I _R		10		10		10	μA	
			100		200		300	mA	
Operating and Storage Temperature Range T _J ,T _{STG}	T _J ,T _{STG}	-55 to +150							℃

RATING AND CHARACTERISTIC CURVES
TBU4A/6A/8AG SERIES



FIG.1-DERATING CURVE FOR
OUTPUT RECTIFIED CURRENT

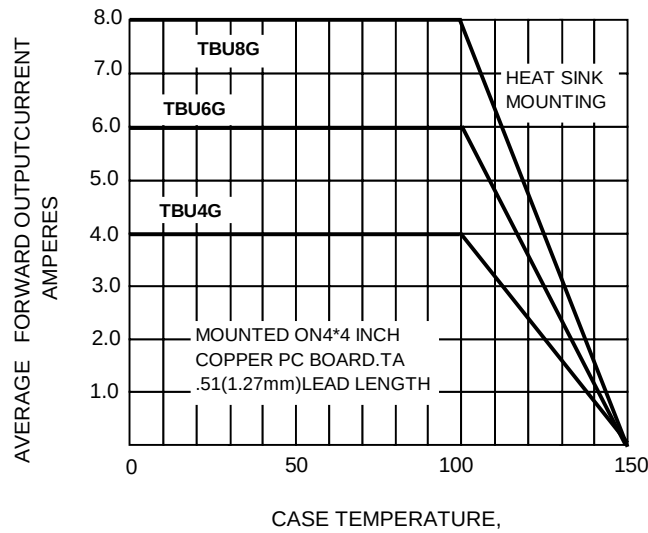


FIG.2 TYPICAL INSTANTANEOUS FORWARD
CHARACTERISTIC

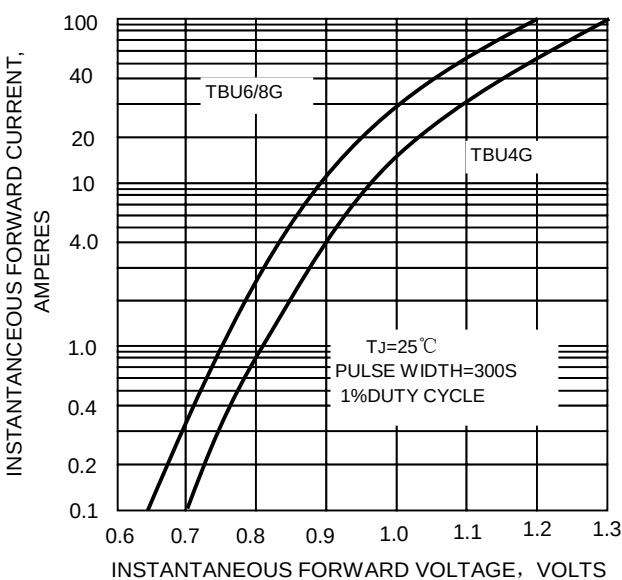


FIG.3-MAXIMUM NON-RETETITIVE PEAK
FORWARD SURGE CURRENT

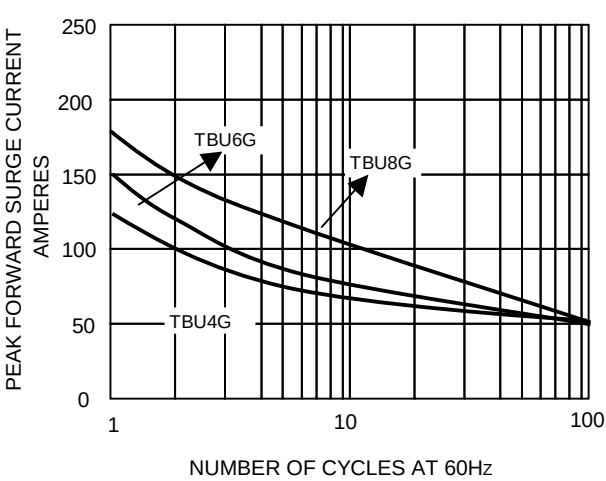


FIG.4-TYPICAL REVERSE
CHARACTERISTICS

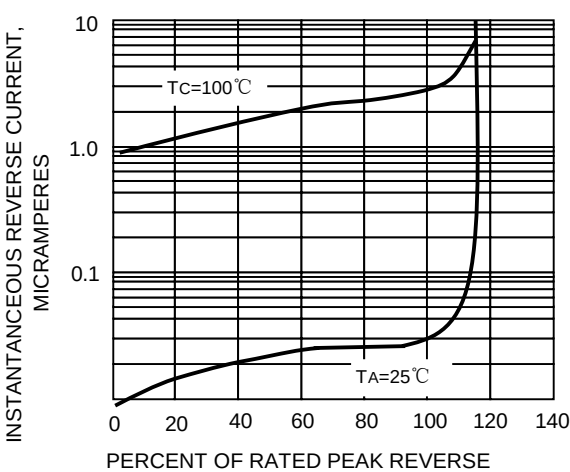


FIG.5-TYPICAL JUNCTION CAPACITANCE PER ELEMENT

