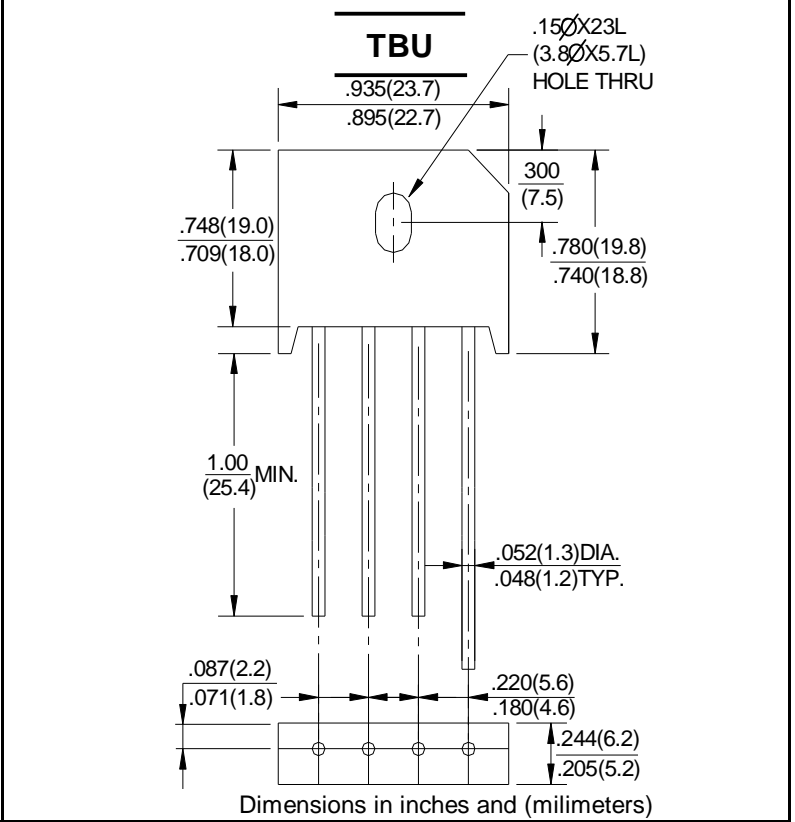


SILICON BRIDGE RECTIFIERS	REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 4 / 6 / 8 Amperes
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- FEATURES**
- Surge overload rating -150~200 amperes peak
 - Ideal for printed circuit board
 - Reliable low cost construction utilizing molded plastic technique
 - Plastic material has UL
 - Mounting position: Any
 - Mounting torque: 5 In.lb. Max



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	TBU4005	TBU401	TBU402	TBU404	TBU406	TBU408	TBU410	UNIT	
		TBU6005	TBU601	TBU602	TBU604	TBU606	TBU608	TBU610		
		TBU8005	TBU801	TBU802	TBU804	TBU806	TBU808	TBU810		
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	40	600	800	1000	V	
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	VDC	50	100	200	40	600	800	1000	V	
Maximum Average Forward Rectified Output Current at Tc=100°C TA=50°C	I(AV)	KBU4	4.0	KBU6	6.0		KBU8	8.0	A	
Peak Forward Surge Current 8.3ms single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	IFSM		4.0		6.0			6.0	200	A
Maximum Instantaneous Forward Voltage Drop per Element at 4.0A/3.0A/4.0A	VF		150		175			1.0	1.0	1.0
Maximum Reverse Leakage at rated DC Blocking Voltage Per Element TA=25°C TA=100°C	IR	10	10	200	10	10	300	10	μA	
Operating and Storage Temperature Range Tj,Tstg	Tj,Tstg	-55 to +125							°C	

FIG.1-DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

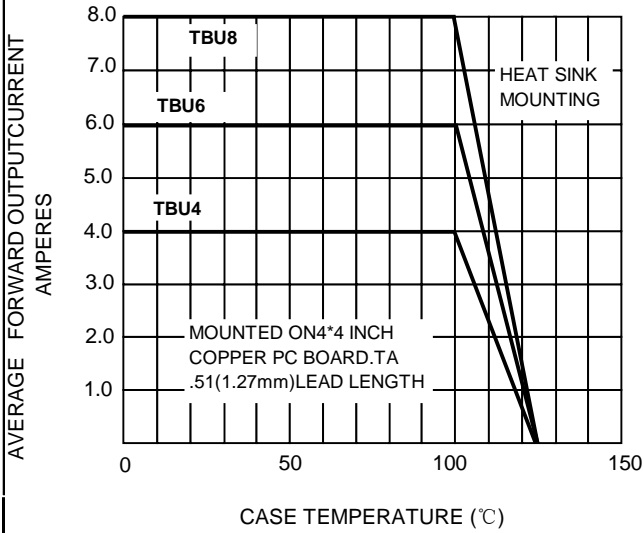


FIG.2 TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

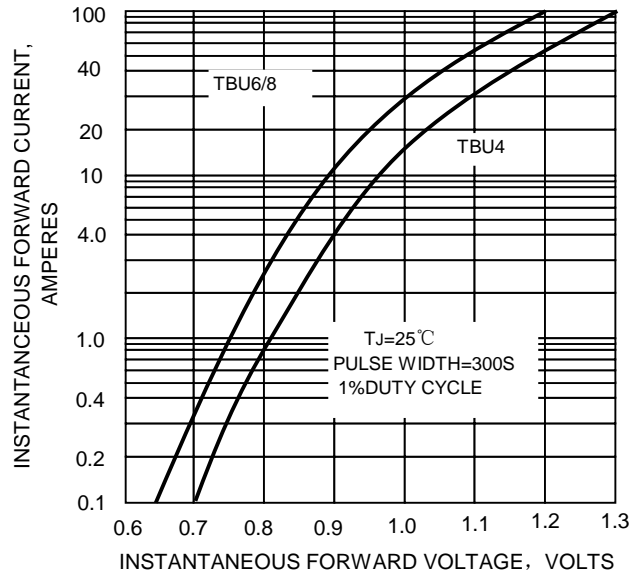


FIG.3-MAXIMUM NON-RETETITIVE PEAK FORWARD SURGE CURRENT

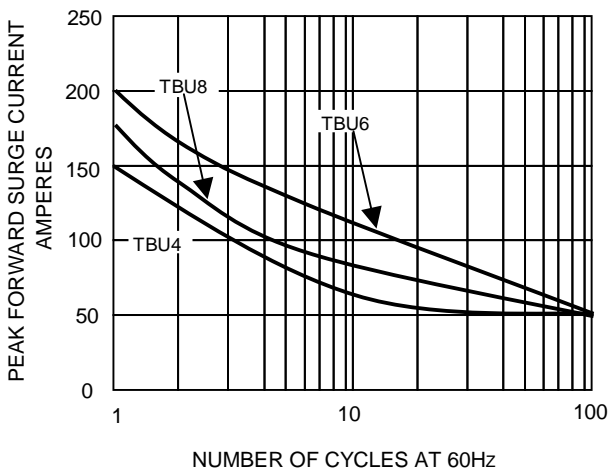


FIG.4-TYPICAL REVERSE CHARACTERISTICS

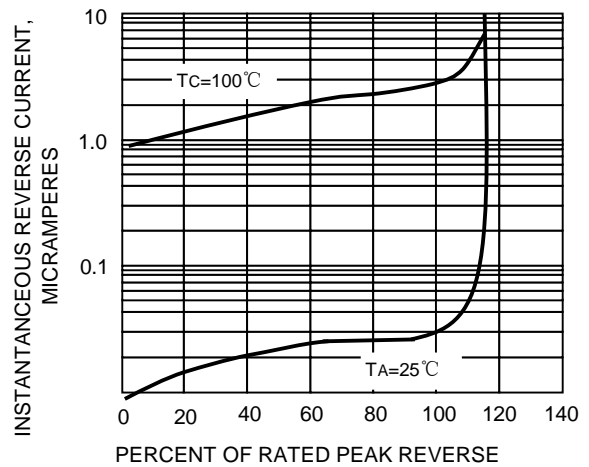


FIG.5-TYPICAL JUNCTION CAPACITANCE PER ELEMENT

