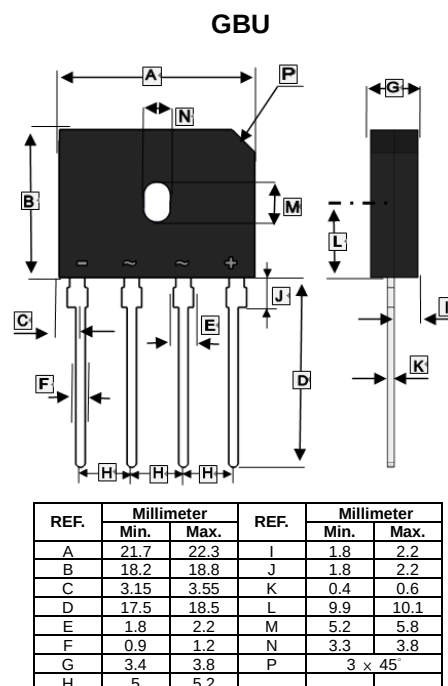


RoHS Compliant Product

FEATURES

- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has Underwriters Laboratory flammability classification 94V-0
- Mounting position: Any
- These are Halogen & Pb Free components
- This series is UL recognized under Component Index, file number E255340



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, de-rate current by 20%.)

Parameter		Symbol	Part Number				Unit
			S10GBU20-C	S10GBU40-C	S10GBU60-C	S10GBU80-C	
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	200	400	600	800	V
Average Rectified Output Current @50HZ sine wave, R-load	T _C =100℃ (with heat sink)	I _O	10				A
	T _A =25℃ (without heat sink)		3.6				
Peak Forward Surge Current @ 50Hz sine wave, 1 cycle, T _A =25℃		I _{FSM}	200				A
Maximum Peak Forward Voltage ³		V _{FM}	1.1				V
Peak Reverse Current ²		I _{RRM}	5				μA
I ² t Rating for Fusing @1ms≤t<10ms, T _J =25℃,Rating of per diode		I ² t	166				A ² s
Mounting Torque @ Recommend torque:5kg·cm		TOR	8				Kg · cm
Dielectric Strength ¹		V _{dis}	2				kV
Typical Thermal Resistance (with heat sink)		R _{θJC}	4.8				℃/W
Typical Thermal Resistance(without heat sink)		R _{θJA}	21				℃/W
Typical Thermal Resistance(without heat sink)		R _{θJL}	4				℃/W
Operating and Storage temperature range		T _J ,T _{STG}	150, -40~150				℃

Notes :

1. Terminals to case · AC 1 minute
2. $V_{RM}=V_{RRM}$, Pulse measurement, Rating of per diode.
3. $I_{FM}=10.0\text{A}$, Pulse measurement, Rating of per diode

RATINGS AND CHARACTERISTIC CURVES

