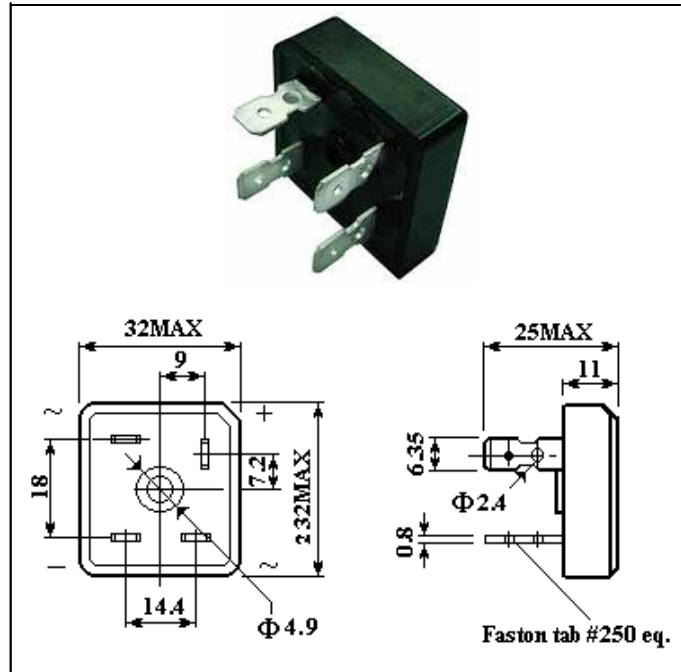


S25VB10 Thru S25VB100

High Current Glass Passivated Single-Phase Bridge Rectifier

FEATURES

- Plastic Package has Underwriters Laboratory Flammability Classification 94V-0
- High current capacity with small package
- Glass passivated chip junctions
- Superior thermal conductivity
- High I_{FSM}



Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

Item	Symbol	S25VB10	S25VB20	S25VB40	S25VB60	S25VB80	S25VB100	Unit
Maximum repetitive voltage	V _{RM}	100	200	400	600	800	1000	V
Maximum DC reverse current TA=25°C at rated DC blocking voltage TA=125°C	I _R	10 500						μ A
Average rectified forward current 60Hz sine wave, R-load with heatsink Tc=100°C	I _O	25						A
Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load	I _{FSM}	300						A
Dielectric strength Terminals to case, AC 1 minute Current 1mA	V _{dia}	2						KV
Max instantaneous forward voltage at 12.5A	V _F	1.1						V
Operating junction temperature	T _j	125						°C
Storage temperature	T _{stg}	-40~150						°C