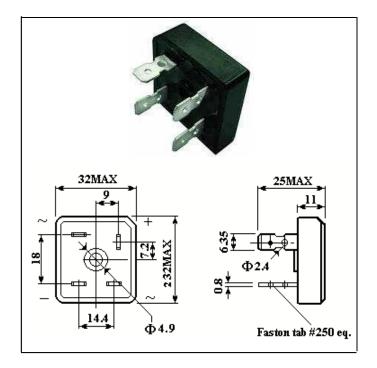


S25VB10 Thru S25VB100

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 Ifsm



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

Item	Symbol	S25VB10	S25VB20	S25VB40	S25VB60	S25VB80	S25VB100	Unit
Maximum repetitive voltage	VRM	100	200	400	600	800	1000	V
Maximum DC reverse current TA=25°C at rated DC blocking voltage TA=125°C	Ir	10 500						μА
Average recified forward current 60Hz sine wave,R-load with heatsink Tc=100 °C	Io	25						A
Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load	IFSM	300						A
Dielectric strength Terminals to case, AC 1 minute Current 1mA	Vdia	2						KV
Max instantaneous forward voltage at 12.5A	VF	1.1						V
Operating junction temperature	Tj	125					$^{\circ}$ C	
Storage temperature	Tstg	-40~150						$^{\circ}$