

D25XB80

PRV : 800 Volts lo : 25 Amperes

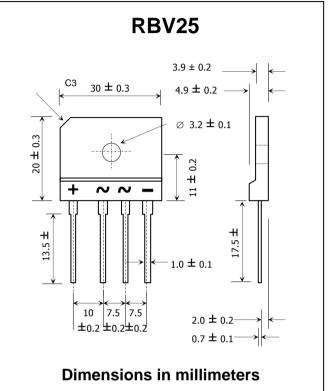
FEATURES :

- * High current capability
- * High surge current capability
- * High reliability
- * Low reverse current
- * Low forward voltage drop
- * Ideal for printed circuit board
- * Very good heat dissipation
- * Pb / RoHS Free

MECHANICAL DATA:

- * Case : Reliable low cost construction utilizing molded plastic technique
- * Epoxy : UL94V-O rate flame retardant
- * Terminals : Plated lead solderable per MIL-STD-202, Method 208 guaranteed
- * Polarity : Polarity symbols marked on case
- * Mounting position : Any

SILICON BRIDGE RECTIFIERS



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

RATING	SYMBOL	VALUE	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	800	V
Maximum RMS Voltage	V _{RMS}	560	V
Maximum DC Blocking Voltage	V _{DC}	800	V
Maximum Average Forward Current	1	25 (With heatsink, Tc = 87°C)	A
60 Hz sine wave, R-load	F(AV)	3.5 (Without heatsink, Ta = 25°C)	
Peak Forward Surge Current, 60Hz sine wave	I _{FSM}	320	А
Non-repetitive 1 cycle peak value, Tj = 25 °C			
Current Squared Time at t < 8.3 ms.	l ² t	424	A ² S
Maximum Forward Voltage per Diode at IF = 12.5 A	V _F	1.0	V
Maximum DC Reverse Current Ta = 25 °C	I _R	5	μA
at Rated DC Blocking Voltage			
Operating Junction Temperature Range	TJ	- 55 to + 150	°C
Storage Temperature Range	T _{STG}	- 55 to + 150	°C



