

RBV1506J

PRV : 600 Volts
Io : 15 Amperes

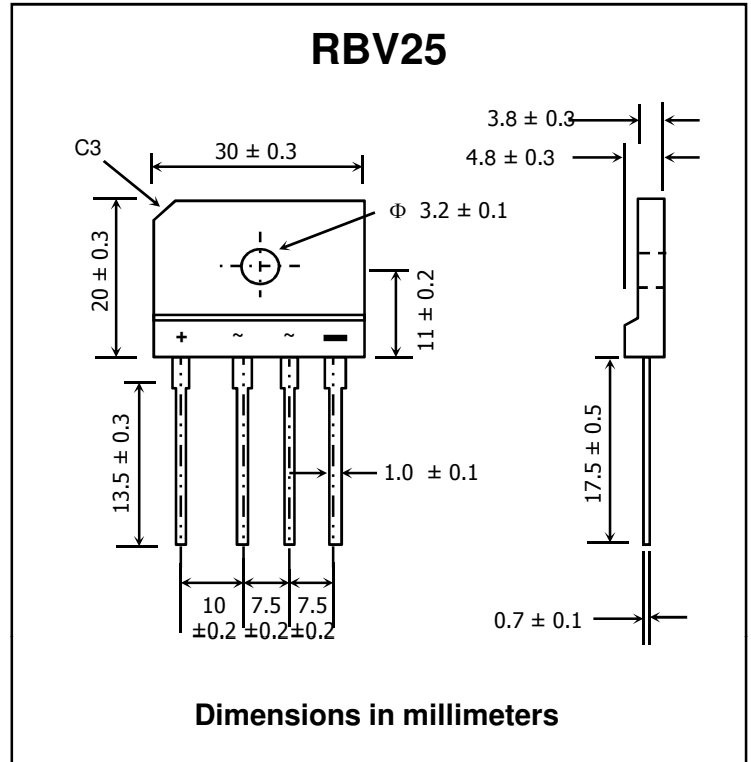
FEATURES :

- * 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
- * Weight : 8.11 grams (Approximaly)

SILICON BRIDGE RECTIFIER



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.

RATING	SYMBOL	VALUE	UNIT
Maximum Peak Reverse Voltage	V_{RM}	600	V
Maximum Average Forward Current at $T_c = 120\text{ }^\circ\text{C}$ (with Heatsink)	$I_{F(AV)}$	15	A
Maximum Peak Forward Surge Current (50 Hz Half - cycle Sinewave Single Shot)	I_{FSM}	150	A
Maximum Forward Voltage per element at $I_F = 7.5\text{ A}$	V_F	1.1	V
Maximum Reverse Current per element at $V_R = V_{RM}$ $T_J = 150\text{ }^\circ\text{C}$	I_R	10	μA
	$I_{R(H)}$	200	μA
Thermal Resistance, Junction to Case	$R_{\theta JC}$	1.5	$^\circ\text{C/W}$
Thermal Resistance, Junction to Lead	$R_{\theta JL}$	1.5	$^\circ\text{C/W}$
Operating Junction and Storage Temperature Range	T_J, T_{STG}	- 40 to + 175	$^\circ\text{C}$

RATING AND CHARACTERISTIC CURVES (RBV1506J)

FIG.1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

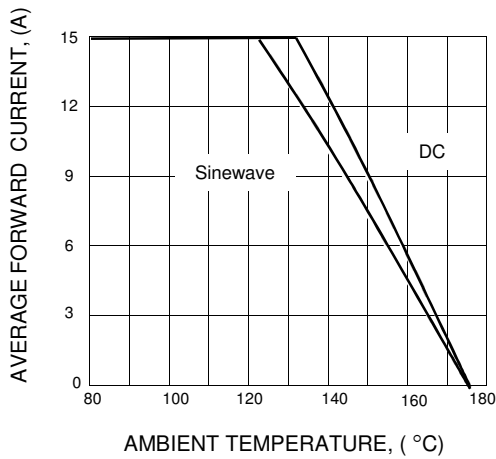


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

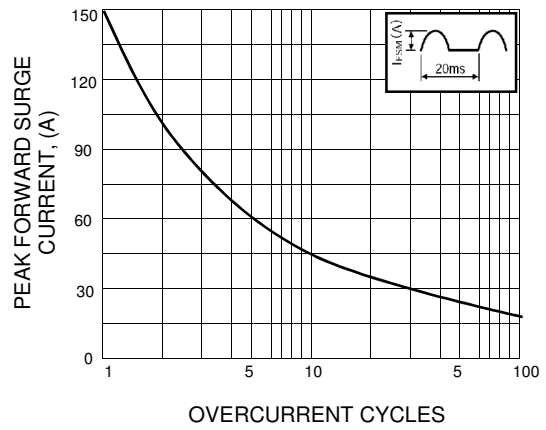


FIG.3 - $I_{F(AV)}$ vs P_F CHARACTERISTICS

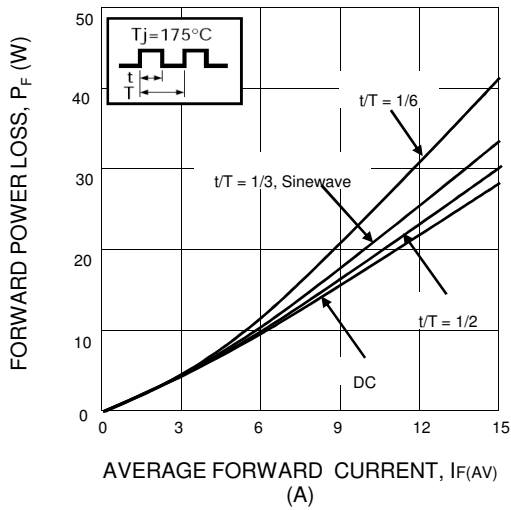


FIG.4 - V_R vs P_R CHARACTERISTICS

