

# RBV206

**PRV : 600 Volts**  
**Io : 2.0 Amperes**

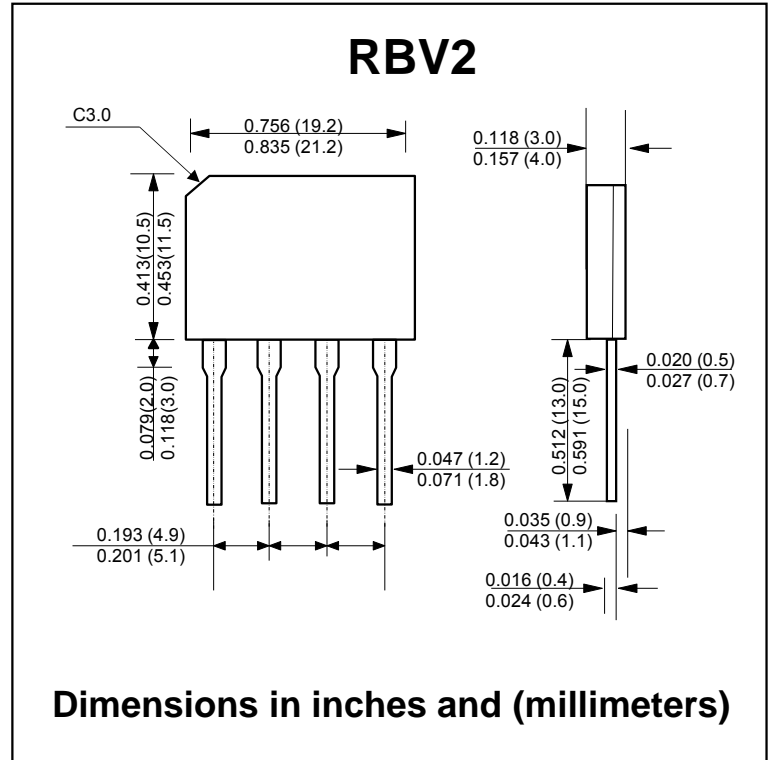
### FEATURES :

- \* Glass passivated chip
- \* High surge current capability
- \* Pb / RoHS Free

### MECHANICAL DATA :

- \* Case : 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

# BRIDGE RECTIFIER DIODE



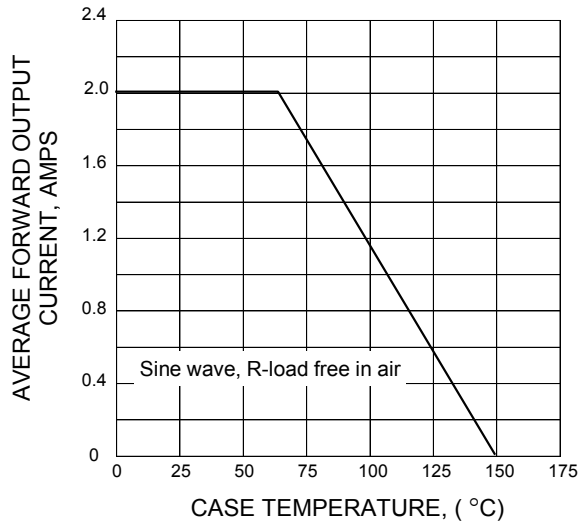
## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.

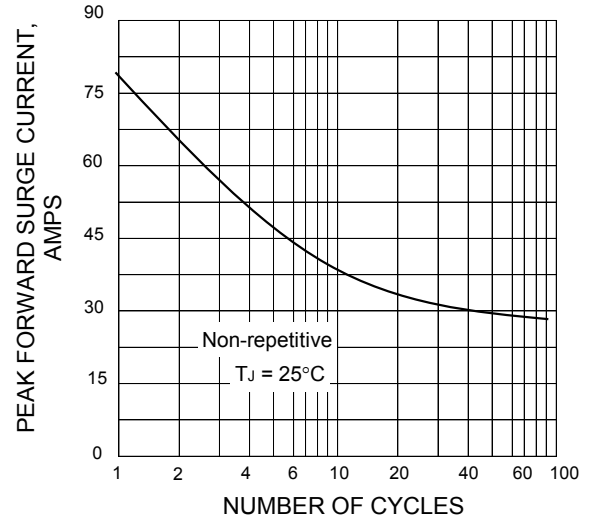
RATING	SYMBOL	VALUE	UNIT
Maximum Peak Reverse Voltage	$V_{RM}$	600	V
Maximum Average Forward Current	$I_{F(AV)}$	2.0	A
Maximum Peak Forward Surge Current (60 Hz Sinewave , 1 cycle , Ta = 25 °C )	$I_{FSM}$	80	A
Maximum Forward Voltage per Diode at $I_F = 1.0$ A.	$V_F$	1.05	V
Maximum Reverse Current Ta = 25 °C	$I_R$	10.0	$\mu$ A
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	47.0	°C/W
Thermal Resistance, Junction to Lead	$R_{\theta JL}$	10.0	°C/W
Operating Junction and Storage Temperature Range	$T_J, T_{STG}$	- 55 to + 150	°C

## RATING AND CHARACTERISTIC CURVES ( RBV206 )

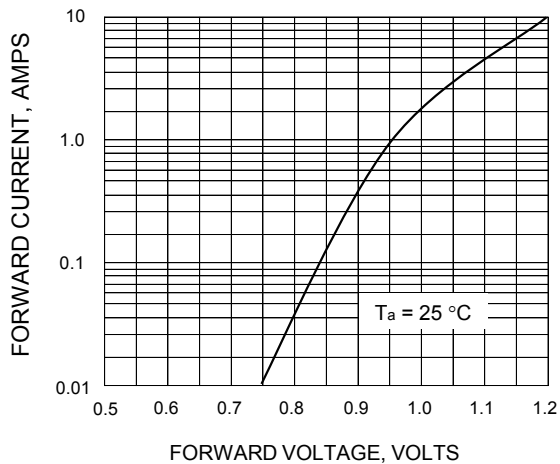
**FIG.1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT**



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



**FIG.3 - TYPICAL FORWARD CHARACTERISTICS PER DIODE**



**FIG.4 - POWER DISSIPATION**

