



**TAYCHIPST** GLASS PASSIVATED FAST RECOVERY RECTIFIER

**RGPP2A THRU RGPP2M**

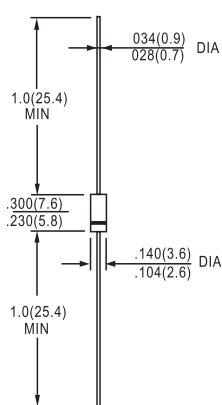
**50V-1000V 2.0A**

## FEATURES

- Molded case feature for auto insertion
- High current capability
- Low leakage current
- Fast switching capability
- High temperature soldering guaranteed
- 250°C /10sec/0.375" lead length at 5 lbs tension
- Glass Passivated chip

## MECHANICAL DATA

Terminal: Plated axial leads solderable per  
MIL-STD 202E, method 208C  
Case: Molded with UL-94 Class V-0 recognized Flame  
Retardant Epoxy  
Polarity: color band denotes cathode  
Mounting position: any



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half-wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated)

	SYMBOL	RGPP 2A	RGPP 2B	RGPP 2D	RGPP 2G	RGPP 2J	RGPP 2K	RGPP 2M	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V
Maximum DC blocking Voltage	Vdc	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current 3/8"lead length at Ta =55°C	If(av)	2.0							A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	60.0							A
Maximum Forward Voltage at rated Forward Current and 25°C	Vf	1.3							V
Maximum full load reverse current full cycle average at 55°C Ambient	Ir(av)	100.0							μA
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =150°C	Ir	5.0 200							μA μA
Maximum Reverse Recovery Time (Note 1)	Trr	150				250	500		nS
Typical Junction Capacitance (Note 2)	Cj	25.0							pF
Typical Thermal Resistance (Note 3)	Rth(ja)	45.0							°C /W
Storage and Operating Junction Temperature	Tstg, Tj	-50 to +150							°C

Note:

1. Reverse Recovery Condition I<sub>f</sub> =0.5A, I<sub>r</sub> =1.0A, I<sub>rr</sub> =0.25A
2. Measured at 1.0 MHz and applied reverse voltage of 4.0V<sub>dc</sub>
3. Thermal Resistance from Junction to Ambient at 3/8"lead length, P.C. Board Mounted



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**RATINGS AND CHARACTERISTIC CURVES**

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FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

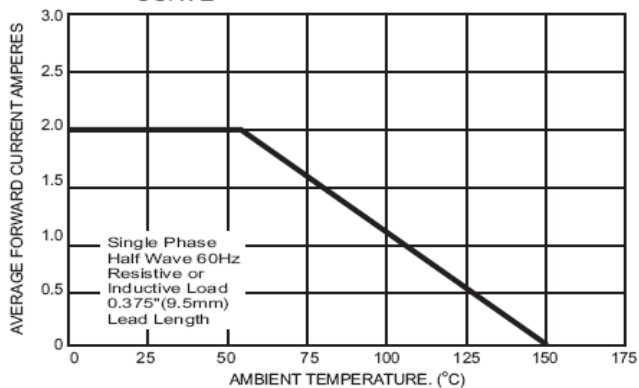


FIG.2- MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

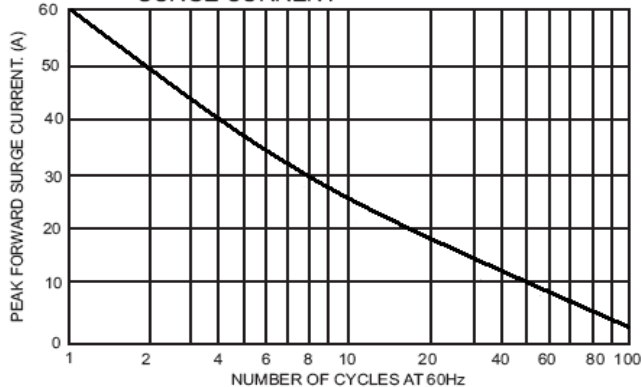


FIG.3- TYPICAL FORWARD CHARACTERISTICS

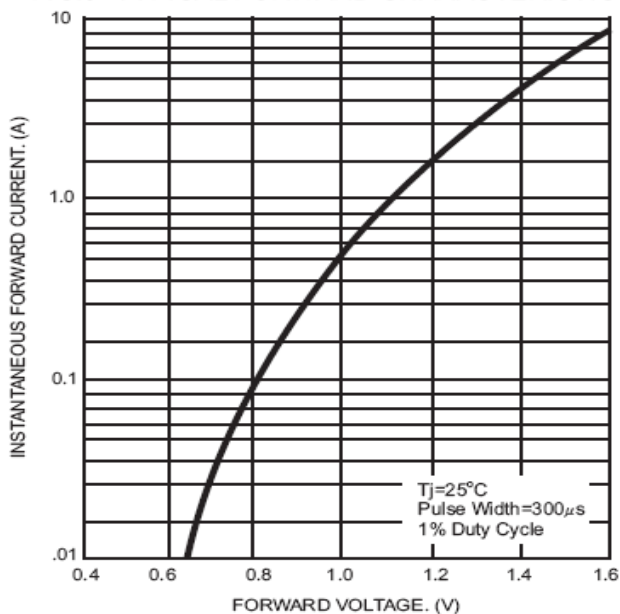


FIG.4- TYPICAL REVERSE CHARACTERISTICS PER LEG

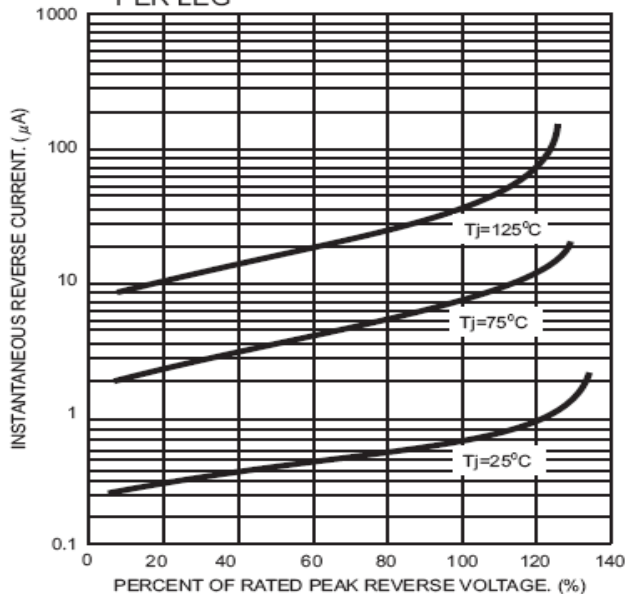


FIG.5- TYPICAL JUNCTION CAPACITANCE

