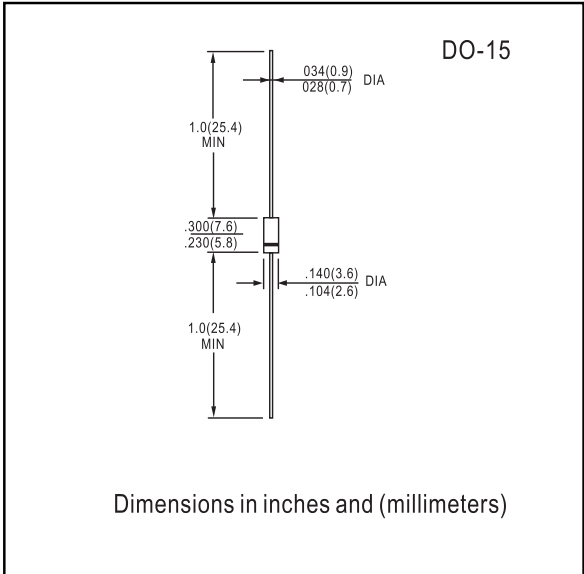




- FEATURES**
- Molded case feature for auto insertion
  - High current capability
  - Low leakage current
  - Fast switching capability
  - High temperature soldering guaranteed
  - 250°C /10sec/0.375" lead length at 5 lbs tension
  - Glass Passivated chip



**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

**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	V <sub>rrm</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>rms</sub>	35	70	140	280	420	560	700	V
Maximum DC blocking Voltage	V <sub>dc</sub>	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current 3/8"lead length at Ta =55°C	I <sub>f(av)</sub>	2.0							A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I <sub>fsm</sub>	60.0							A
Maximum Forward Voltage at rated Forward Current and 25°C	V <sub>f</sub>	1.3							V
Maximum full load reverse current full cycle average at 55°C Ambient	I <sub>r(av)</sub>	100.0							μA
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =150°C	I <sub>r</sub>	5.0 200							μA μA
Maximum Reverse Recovery Time (Note 1)	T <sub>rr</sub>	150				250	500		nS
Typical Junction Capacitance (Note 2)	C <sub>j</sub>	25.0							pF
Typical Thermal Resistance (Note 3)	R <sub>th(ja)</sub>	45.0							°C /W
Storage and Operating Junction Temperature	T <sub>stg, Tj</sub>	-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 4.0Vdc
  3. Thermal Resistance from Junction to Ambient at 3/8"lead length, P.C. Board Mounted



**RATINGS AND CHARACTERISTIC CURVES RGPP2A THRU RGPP2M**

FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

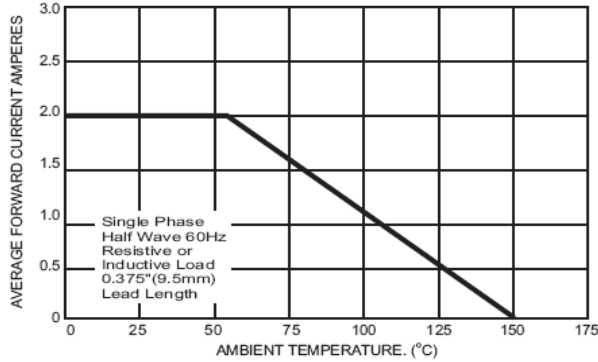


FIG.2- MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

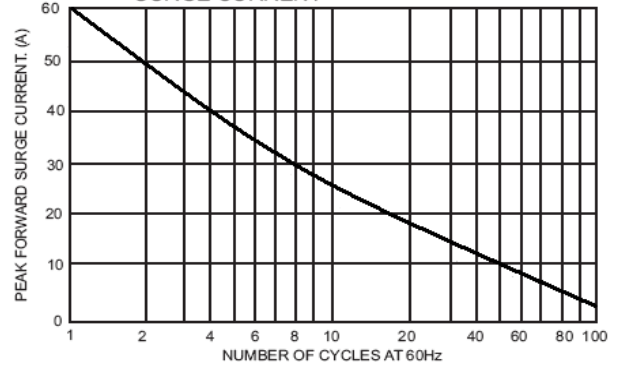


FIG.3- TYPICAL FORWARD CHARACTERISTICS

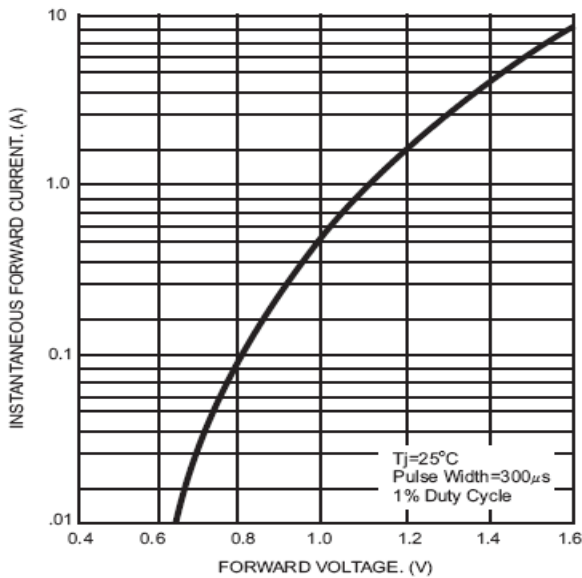


FIG.4- TYPICAL REVERSE CHARACTERISTICS PER LEG

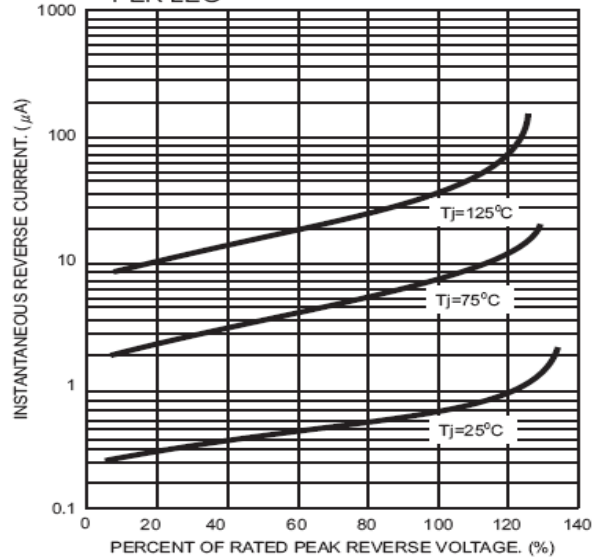


FIG.5- TYPICAL JUNCTION CAPACITANCE

