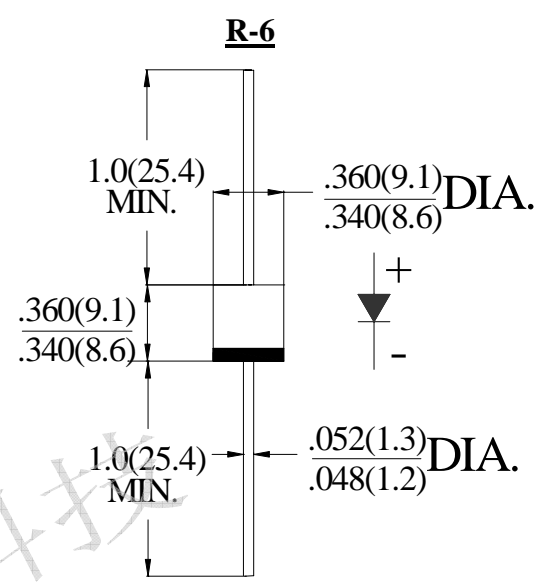


### 6A05G THRU 6A10G

#### 6.0AMPS . GLASS PASSIVATED RECTIFIERS

<p><b>FEATURE</b></p> <ul style="list-style-type: none"> <li>. High current capability</li> <li>. Low forward voltage drop</li> <li>. Low power loss, high efficiency</li> <li>. High surge capability</li> <li>. High temperature soldering guaranteed</li> </ul> <p>260°C /1 0sec/0.375" lead length at 5 lbs tension</p> <p><b>MECHANICAL DATA</b></p> <ul style="list-style-type: none"> <li>. Terminal: Plated axial leads solderable per MIL-STD 202E, method 208C</li> <li>. Case: Molded with UL-94 Class V-0 recognized Flame Retardant Epoxy</li> <li>. Polarity: color band denotes cathode</li> <li>. Mounting position: any</li> </ul>	 <p style="text-align: center;">Dimensions in inches and (millimeters)</p>
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#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

Type Number	SYM BOL	6A05G	6A1G	6A2G	6A4G	6A6G	6A8G	6A10G	units
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	$V_{RMS}$	35	70	140	280	420	560	700	V
Maximum DC blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current.375"(9.5mm) lead length @Ta =75°C	$I_{F(AV)}$	6.0							A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	$I_{FSM}$	175							A
Maximum Forward Voltage at 6.0A DC	$V_F$	1.1							V
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =125°C	$I_R$	10.0 100.0							μA
Typical Junction Capacitance (Note)	$C_J$	100							pF
Typical Thermal Resistance	$R_{(JA)}$	10							°C/W
Storage Temperature	$T_{STG}$	-55 to +150							°C
Operation JunctionTemperature	$T_J$	-55 to +150							°C

**Note:**

Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc

**RATING AND CHARACTERISTIC CURVES (6A05G THRU 6A10G)**

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

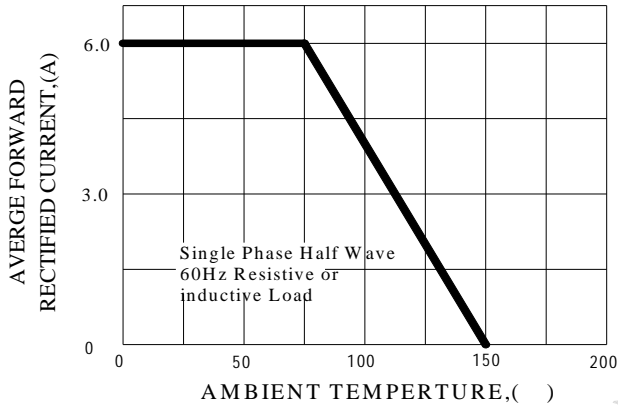


FIG.2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

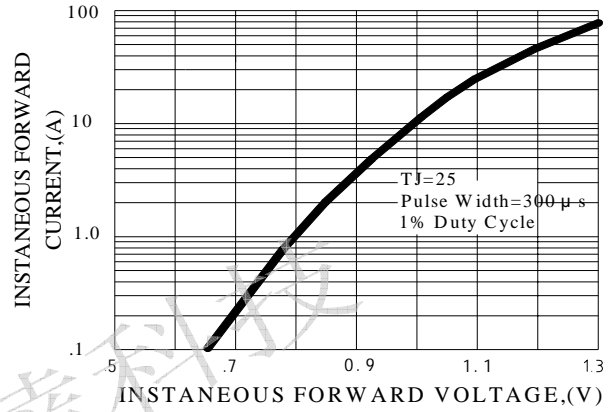


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

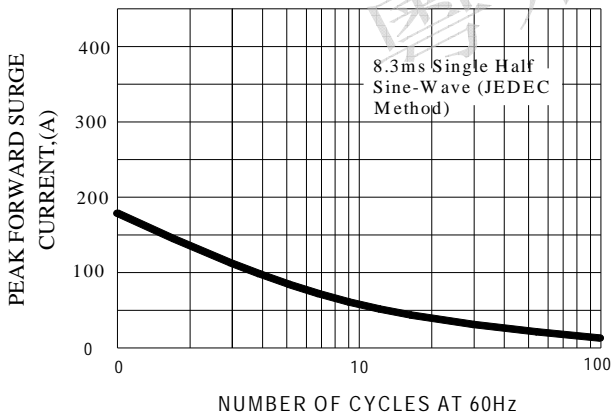


FIG.4-TYPICAL REVERSE CHARACTERISTICS

