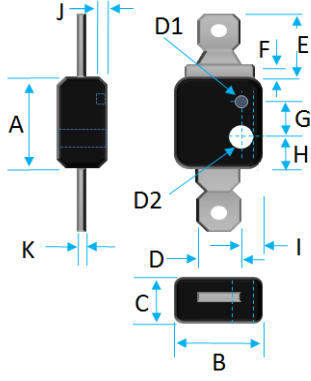


## 6A GENERAL PURPOSE RECTIFIER

	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Dim.</th> <th colspan="2">Value In[mm]</th> </tr> <tr> <th>Min.</th> <th>Max.</th> </tr> </thead> <tbody> <tr><td>A</td><td>---</td><td>0.622[15.80]</td></tr> <tr><td>B</td><td>---</td><td>0.622[15.80]</td></tr> <tr><td>C</td><td>0.270[6.86]</td><td>0.290[7.37]</td></tr> <tr><td>D</td><td>---</td><td>0.250[6.35]</td></tr> <tr><td>E</td><td>---</td><td>0.050[1.27]</td></tr> <tr><td>F</td><td>---</td><td>0.090[2.29]</td></tr> <tr><td>G</td><td>0.250[6.35]</td><td>---</td></tr> <tr><td>H</td><td>---</td><td>0.265[6.73]</td></tr> <tr><td>I</td><td>---</td><td>0.159[4.04]</td></tr> <tr><td>J</td><td>0.062[1.57]</td><td>---</td></tr> <tr><td>K</td><td>0.031[0.79]</td><td>0.033[0.84]</td></tr> <tr><td>D1</td><td>0.125[3.18]</td><td>---</td></tr> <tr><td>D2</td><td>0.165[4.19]</td><td>0.162[4.11]</td></tr> </tbody> </table>	Dim.	Value In[mm]		Min.	Max.	A	---	0.622[15.80]	B	---	0.622[15.80]	C	0.270[6.86]	0.290[7.37]	D	---	0.250[6.35]	E	---	0.050[1.27]	F	---	0.090[2.29]	G	0.250[6.35]	---	H	---	0.265[6.73]	I	---	0.159[4.04]	J	0.062[1.57]	---	K	0.031[0.79]	0.033[0.84]	D1	0.125[3.18]	---	D2	0.165[4.19]	0.162[4.11]	<h3 style="margin: 0;">PRODUCT FEATURES</h3> <ol style="list-style-type: none"> <li>1. FLAMMABILITY CLASSIFICATION: 94V-0</li> <li>2. DIFFUSED JUNCTION</li> <li>3. HIGH SURGE CURRENT CAPABILITY</li> <li>4. BEVELED ROUND CHIP, AVALANCHE OPERATION</li> <li>5. CASE: TRANSFER MOLDED, GH</li> <li>6. DIMENSIONS IN INCHES AND (MILLIMETERS)</li> <li>7. POLARITY: INDICATED BY CATHODE BAND</li> <li>8. WEIGHT: 3.37 GRAMS</li> <li>9. RoHS</li> </ol>
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MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED STORAGE AND OPERATING TEMPERATURE RANGE -55°C TO +150°C. SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD. FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%.

RATINGS	SYMBOL	VALUE	UNITS
MAXIMUM AVERAGE FORWARD RECTIFIED CURRENT, 0.375"(9.5mm) LEAD LENGTH @ 60°C	$I_o$	6	A
PEAK FWD SURGE CURRENT, 8.3ms HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD	$I_{FSM}$	400	A
TYPICAL JUNCTION CAPACITANCE(NOTE 1)	$C_j$	150	pF
TYPICAL THERMAL RESISTANCE (NOTE 2)	$R_{\theta jc}$	20	°C/W
MAXIMUM FORWARD VOLTAGE	$V_F$	1	V
MAXIMUM REVERSE CURRENT @ 25°C	$I_R$	5	uA
MAXIMUM REVERSE CURRENT @ 100°C	$I_R$	50	uA

1. MEASURED @ 1.0 MHZ AND APPLIED REVERSE VOLTAGE OF 4.0 V
2. MAXIMUM FORWARD VOLTAGE AT  $I_o$  DC

PART NUMBER	MAX RECURRENT PK REV VOLTAGE $V_{RRM}$ (V)	MAX RMS VOLTAGE $V_{RMS}$ (V)	MAX DC BLOCKING VOLTAGE $V_{DC}$ (V)
GH60-005	50	35	50
GH60-01	100	70	100
GH60-02	200	140	200
GH60-04	400	280	400
GH60-06	600	420	600
GH60-10	1000	700	1000

## RATING AND CHARACTERISTIC CURVES

FIG. 1 - FORWARD DERATING CURVE

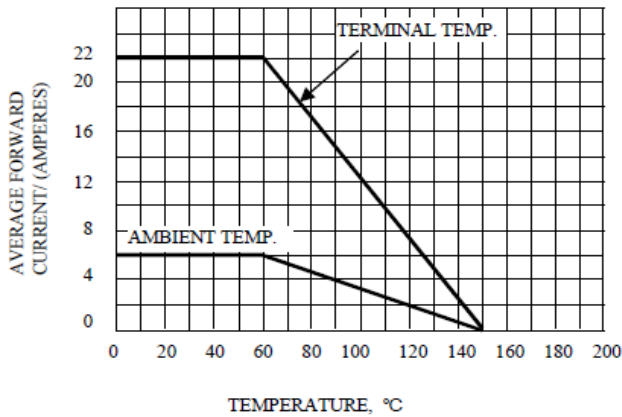


FIG. 2 - TYPICAL FORWARD CHARACTERISTIC

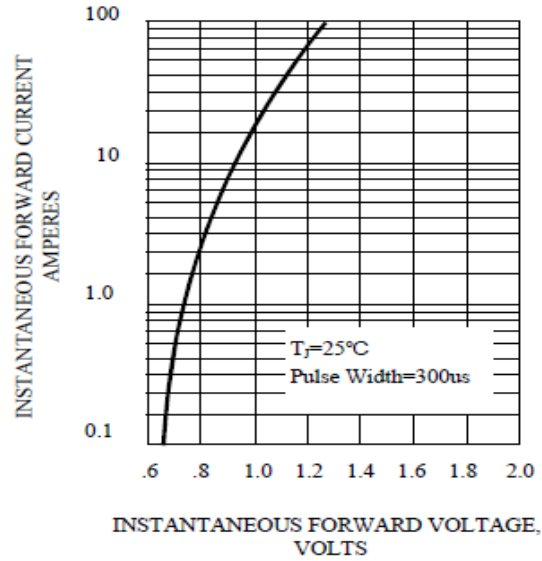


FIG. 3 - PEAK FORWARD SURGE CURRENT

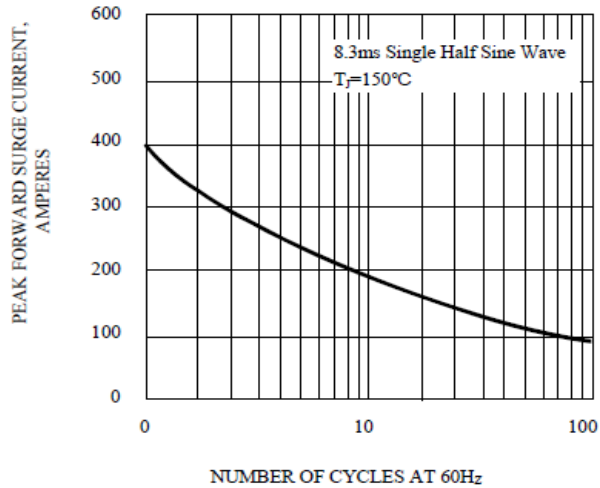


FIG. 5 - TYPICAL REVERSE CHARACTERISTIC

