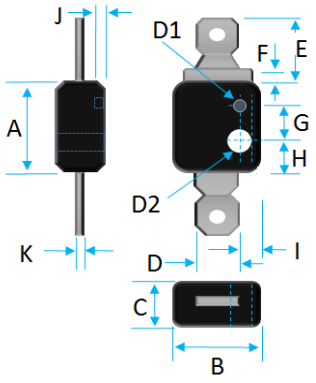
GH60-005G THRU GH60-10G SPECIFICATIONS

Rev. A

6A GLASS PASSIVATED GENERAL PURPOSE RECTIFIER



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]

PRODUCT FEATURES

1. FLAMMABILITY CLASSIFICATION: 94V-0
2. GLASS PASSIVATED CHIP JUNCTION
3. HIGH SURGE CURRENT CAPABILITY
4. BEVELED ROUND CHIP, AVALANCHE OPERATION
5. CASE: TRANSFER MOLDED, GH
6. DIMENSIONS IN INCHES AND (MILLIMETERS)
7. POLARITY: INDICATED BY CATHODE BAND
8. WEIGHT: 3.37 GRAMS
9. RoHS

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(NOTE1)	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. BOTH LEADS ATTACHED TO HEAT SINK 70×70×1T (mm) COPPER PLATE AT LEAD LENGTH 5mm
3. 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)
GH60-005G	50	35	50
GH60-01G	100	70	100
GH60-02G	200	140	200
GH60-04G	400	280	400
GH60-06G	600	420	600
GH60-10G	1000	700	1000

RATING AND CHARACTERISTIC CURVES

FIG. 1 - FORWARD DERATING CURVE

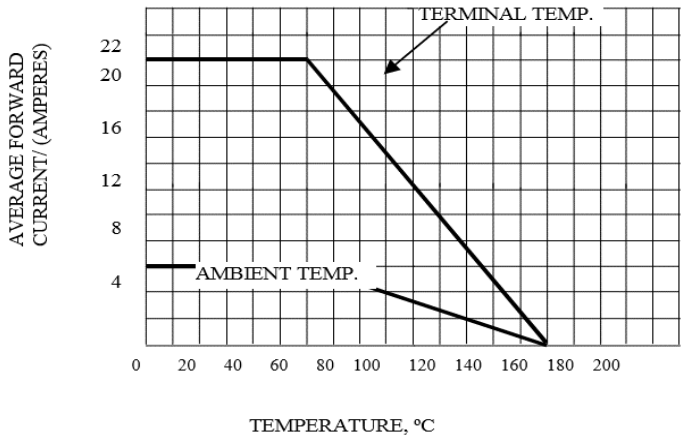


FIG. 2 - TYPICAL FORWARD CHARACTERISTIC

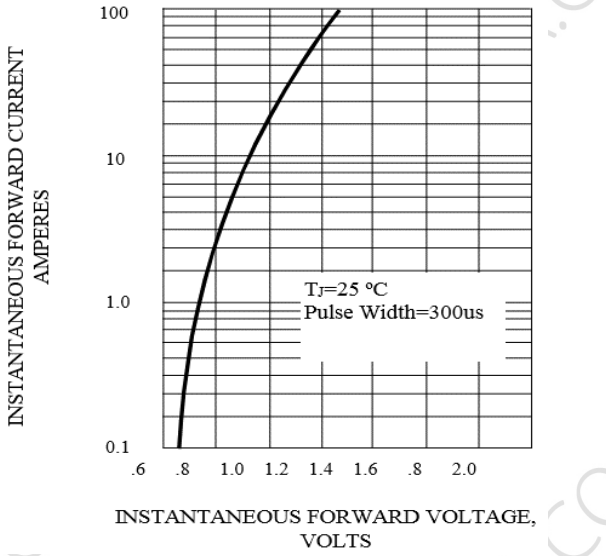


FIG. 3 - PEAK FORWARD SURGE CURRENT

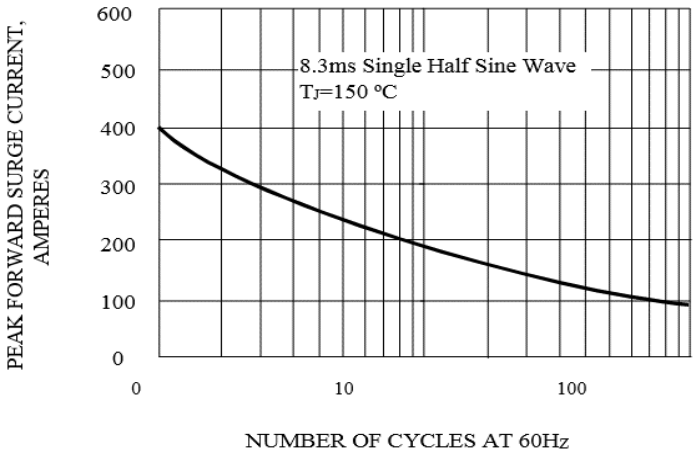


FIG. 4 - TYPICAL REVERSE CHARACTERISTIC