

HVGT high voltage bridge rectifier is made of high quality glass passivated chip and high reliability epoxy resin sealing structure, and through professional testing equipment inspection qualified after to customers.

### SHAPE DISPLAY:



### FEATURES:

1. High reliability design.
2. Large current design.
3. Power frequency ratio.
4. Conform to RoHS.
5. Epoxy resin molded in vacuumHave anticorrosion in the surface.

### APPLICATIONS:

1. Ignition device power supply.
2. Microwave emission power.
3. General purpose high voltage rectifier.

### MECHANICAL DATA:

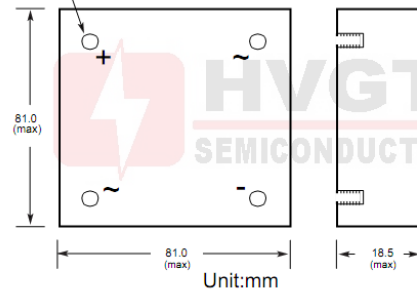
1. Case: epoxy resin molding.
2. Terminal: built-in M3 nut.
3. Net weight: 195 grams (approx).

SIZE: (Unit:mm)

HVGT NAME: HVQ-808

### HVQ-808 Series

Screw Holes M3



### MAXIMUM RATINGS AND CHARACTERISTICS: (Absolute Maximum Ratings)

Items	Symbols	Condition	Data Value	Units
Repetitive Peak Reverse Voltage	$V_{RRM}$	$T_a=25^{\circ}\text{C};$	20	kV
Average Output Current	$I_o$	$T_a=25^{\circ}\text{C};$ Resistive Load	2.0	A
Suege Current	$I_{FSM}$	$T_a=25^{\circ}\text{C};$ 8.3 mS	40	A
Junction Temperature	$T_j$		-40~+125	$^{\circ}\text{C}$
Allowable Operation Case Temperature	$T_c$		125	$^{\circ}\text{C}$
Storage Temperature	$T_{STG}$		-40~+125	$^{\circ}\text{C}$

### ELECTRICAL CHARACTERISTICS: $T_a=25^{\circ}\text{C}$ (Unless otherwise specified)

Items	Symbols	Condition	Data value	Units
Maximum Forward Voltage Drop	$V_F$	at $25^{\circ}\text{C}; I_F = I_{F(AV)}$	22	V
Maximum Reverse Current	$I_{R1}$	at $25^{\circ}\text{C}; V_R = V_{RRM}$	5.0	$\mu\text{A}$
	$I_{R2}$	at $100^{\circ}\text{C}; V_R = V_{RRM}$	50	$\mu\text{A}$
Maximum Reverse Recovery Time	$T_{RR}$	at $25^{\circ}\text{C}; I_F = \text{mA}; I_R = \text{mA}; I_{RR} = \text{mA}$	--	nS
Junction Capacitance	$C_j$	at $25^{\circ}\text{C}; V_R = 0\text{V}; f = 1\text{MHz}$	--	pF