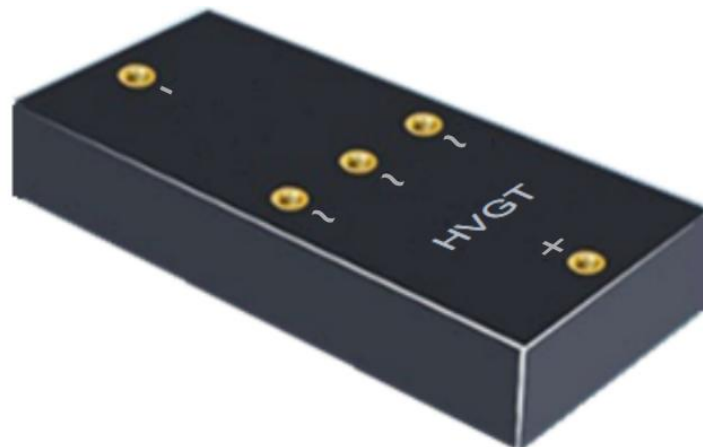


HVGT high voltage bridge rectifier is made of high quality glass passivated chip and high reliability epoxy resin sealing structure, and through professional testing equipment inspection qualified after to customers.

SHAPE DISPLAY:



FEATURES:

1. High reliability design.
2. Large current design.
3. High frequency .
4. Conform to RoHS.
5. Epoxy resin molded in vacuumHave anticorrosion in the surface.
6. Three phase bridge rectifier.

APPLICATIONS:

1. Laser power supply.
2. Microwave emission power.
3. General purpose high voltage rectifier.
4. Other.

MECHANICAL DATA:

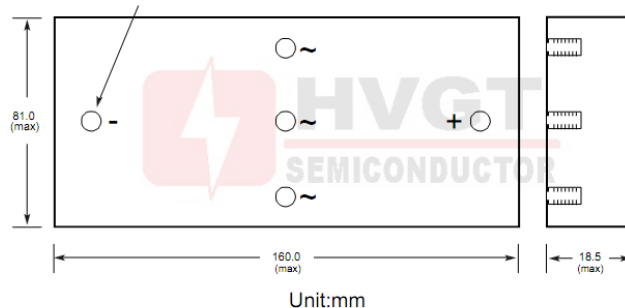
1. Case: epoxy resin molding.
2. Terminal: built-in M5 nut.
3. Net weight: 400 grams (approx).

SIZE: (Unit:mm)

HVGT NAME: HVQ-816

HVQ-816 Series

Screw Holes M5



MAXIMUM RATINGS AND CHARACTERISTICS: (Absolute Maximum Ratings)

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

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

Items	Symbols	Condition	Data value	Units
Maximum Forward Voltage Drop	V_F	at $25^{\circ}C$; $I_F = I_{F(AV)}$	30	V
Maximum Reverse Current	I_{R1}	at $25^{\circ}C$; $V_R = V_{RRM}$	5.0	μA
	I_{R2}	at $100^{\circ}C$; $V_R = V_{RRM}$	50	μA
Maximum Reverse Recovery Time	T_{RR}	at $25^{\circ}C$; $I_F=0.5A$; $I_R=1.0A$; $I_{RR}=0.25A$	80	nS
Junction Capacitance	C_J	at $25^{\circ}C$; $V_R=0V$; $f=1MHz$	--	pF