

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:

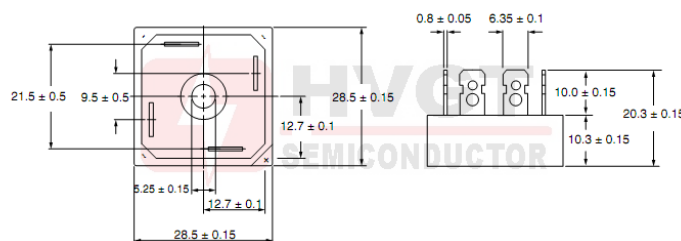
1. Case: epoxy resin molding.
2. Terminal: built-in M3 nut.
3. Net weight: 25grams (approx).

SIZE: (Unit:mm)

HVGT NAME: HVD-34

HVD-34 Series

The terminal is in the form of plug



Unit:mm

MAXIMUM RATINGS AND CHARACTERISTICS: (Absolute Maximum Ratings)

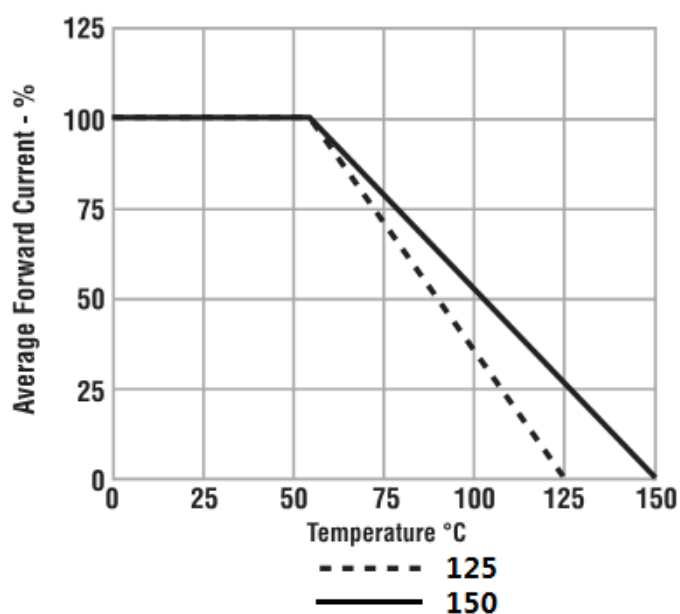
Items	Symbols	Condition	Data Value	Units
Repetitive Peak Reverse Voltage	V_{RRM}	$T_a=25^{\circ}C$;	8.0	kV
Average Output Current	I_o	$T_a=25^{\circ}C$;Resistive Load	300	mA
Surge Current	I_{FSM}	$T_a=25^{\circ}C$;8.3 mS	8.0	A
Junction Temperature	T_J		-55~+150	$^{\circ}C$
Allowable Operation Case Temperature	T_c		125	$^{\circ}C$
Storage Temperature	T_{STG}		-55~+150	$^{\circ}C$

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

Items	Symbols	Condition	Data value	Units
Maximum Forward Voltage Drop	V_F	at $25^{\circ}C$; $I_F = I_{F(AV)}$	12	V
Maximum Reverse Current	I_{R1}	at $25^{\circ}C$; $V_R = V_{RRM}$	2.0	μA
	I_{R2}	at $100^{\circ}C$; $V_R = V_{RRM}$	50	μA
Maximum Reverse Recovery Time	T_{RR}	at $25^{\circ}C$; $I_F = mA$; $I_R = mA$; $I_{RR} = mA$	--	nS
Junction Capacitance	C_J	at $25^{\circ}C$; $V_R = 0V$; $f = 1MHz$	--	pF

Fig 1

Forward Current Derating Curve



Show average current rating at 55°C,
unless otherwise specified.

Max operating temperature is 150°C,
unless otherwise specified.

Fig 2

Circuit Configuration

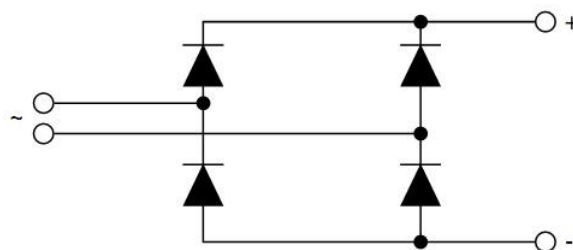
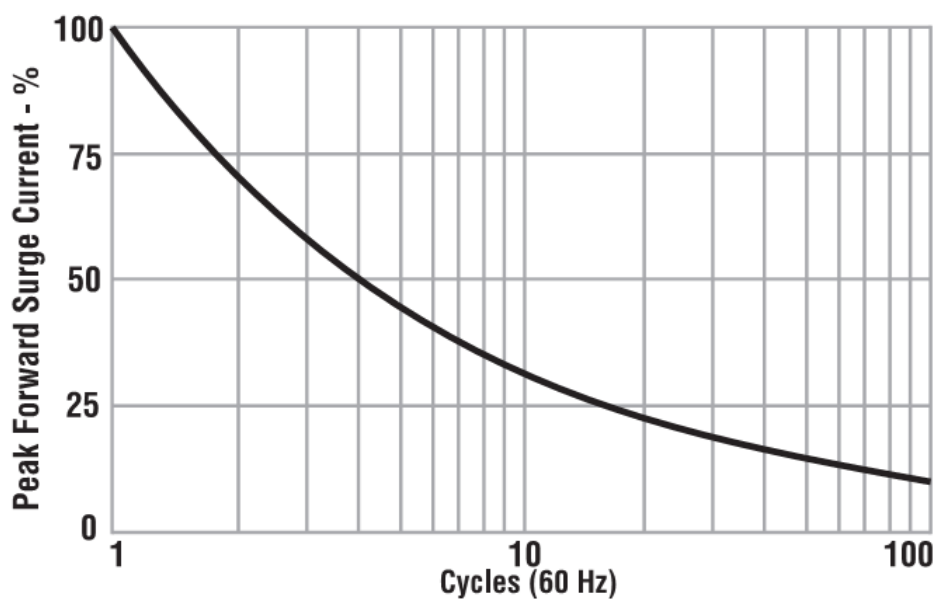


Fig 3

Repetitive Surge Current Derating Curve



This curve represents the percentage of published maximum surge rating as a function of surge repetition.