

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.

### APPLICATIONS:

1. High voltage circuit rectifier.
2. High frequency power rectifier.
3. General purpose high voltage rectifier.

### MECHANICAL DATA:

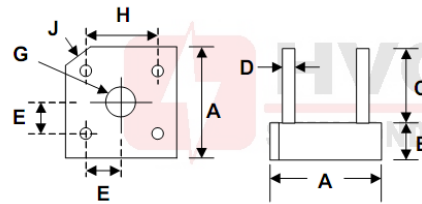
1. Case: epoxy resin molding.
2. Terminal: lead wire diameter 1.0mm.
3. Net weight: 120grams (approx).

SIZE: (Unit:mm)

HVGT NAME: BR-10

### BR-10 Series

Holes for No.6 screw



BR-10		
Dim	Min	Max
A	18.54	19.56
B	6.35	7.60
C	19.00	—
D	1.0 ∅ Typical	
E	6.80	7.50
G	Hole for #6 screw	
	3.60	4.00
H	14.50	15.50
J	2.38 x 45°C Typical	

Unit:mm

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

Items	Symbols	Condition	Data Value	Units
Repetitive Peak Reverse Voltage	$V_{RRM}$	$T_a=25^{\circ}C$ ;	20	kV
Average Output Current	$I_o$	$T_a=25^{\circ}C$ ;Resistive Load	25	mA
Surge Current	$I_{FSM}$	$T_a=25^{\circ}C$ ;8.3 mS	0.5	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 $25^{\circ}C$ ; $I_F = I_{F(AV)}$	40	V
Maximum Reverse Current	$I_{R1}$	at $25^{\circ}C$ ; $V_R = V_{RRM}$	2.0	$\mu A$
	$I_{R2}$	at $100^{\circ}C$ ; $V_R = V_{RRM}$	10	$\mu A$
Maximum Reverse Recovery Time	$T_{RR}$	at $25^{\circ}C$ ; $I_F=2mA$ ; $I_R=4mA$ ; $I_{RR}=1mA$	100	nS
Junction Capacitance	$C_J$	at $25^{\circ}C$ ; $V_R=0V$ ; $f=1MHz$	--	pF