



INTRODUCE:

HVGT High voltage rectifier using GPP chip , Special cooling technology and epoxy resin vacuum casting process, and through professional testing equipment inspection qualified after to customers.

FEATURES:

1. valanche characteristics.
2. Low power dissipation.
3. Fast reverse recovery time.
4. Conform to RoHS.
5. Good high temperature properties

APPLICATIONS:

1. High frequency power supply.
2. High voltage test equipment .
3. High voltage rectifier.
4. Other.

MECHANICAL DATA:

1. Case: Circuit board forming.
2. Terminal: Connection screw post.
3. Net weight: 750 grams (approx).

SHAPE DISPLAY:

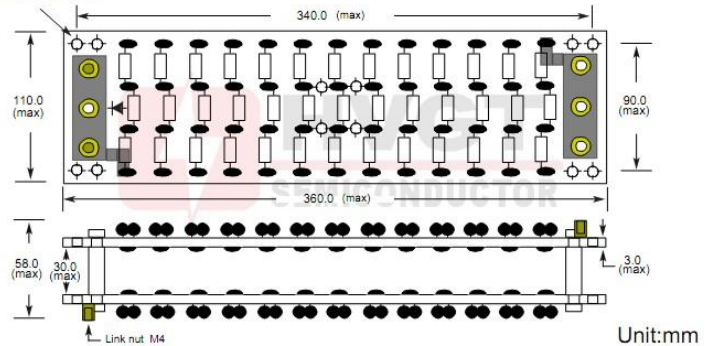


SIZE: (Unit:mm)

HVGT NAME: HVPCB-2X3611

HVPCB-2X3611

Screw Holes $\phi 5$



Unit:mm

MAXIMUM RATINGS AND CHARACTERISTICS: (Absolute Maximum Ratings)

Items	Symbols	Condition	Data Value	Units
Repetitive Peak Reverse Voltage	V_{RRM}	$T_A=25^{\circ}C; I_R=5\mu A$	300	kV
Non Repetitive Peak Reverse Voltage	V_{RSM}	$T_A=25^{\circ}C; I_R=5\mu A$	330	kV
Average Forward Current Maximum	I_{FAVM}	$T_{oil}=55^{\circ}C; \text{Resistance Load}$	3.5	A
Suege Current	I_{FSM}	$T_A=25^{\circ}C; \text{Half-Sine Wave}; 8.3ms$	50	A
Junction Temperature	T_J		150	$^{\circ}C$
Allowable Operation Case Temperature	T_C		-40~+150	$^{\circ}C$
Storage Temperature	T_{STG}		-40~+170	$^{\circ}C$

ELECTRICAL CHARACTERISTICS: $T_A=25^{\circ}C$ (Unless Otherwise Specified)

Items	Symbols	Condition	Data value	Units
Maximum Forward Voltage Drop	V_F	at $25^{\circ}C; \text{at } I_{F(AV)}$	360	V
Maximum Reverse Current	I_{R1}	at $25^{\circ}C; \text{at } V_{RRM}$	5.0	μA
	I_{R2}	at $100^{\circ}C; \text{at } V_{RRM}$	50	μA
Maximum Reverse Recovery Time	T_{RR}	at $25^{\circ}C; I_F=500mA; I_R=1A; I_{RR}=250mA$	150	nS
Junction Capacitance	C_J	at $25^{\circ}C; V_R=0V; f=1MHz$	--	pF



Fig 1

Forward Current Derating Curve

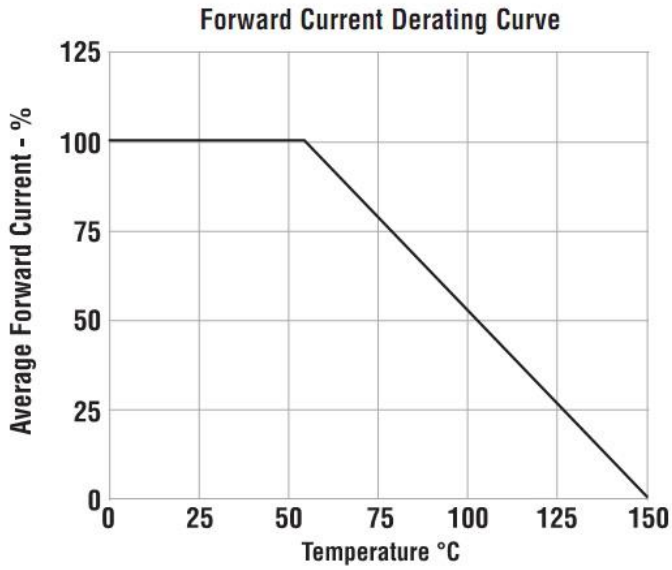


Fig 2

Reverse Recovery Measurement Waveform

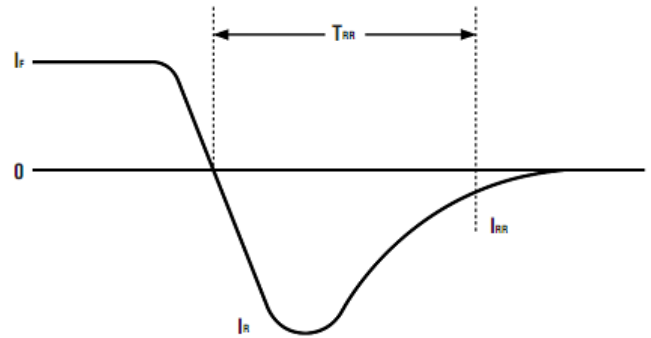
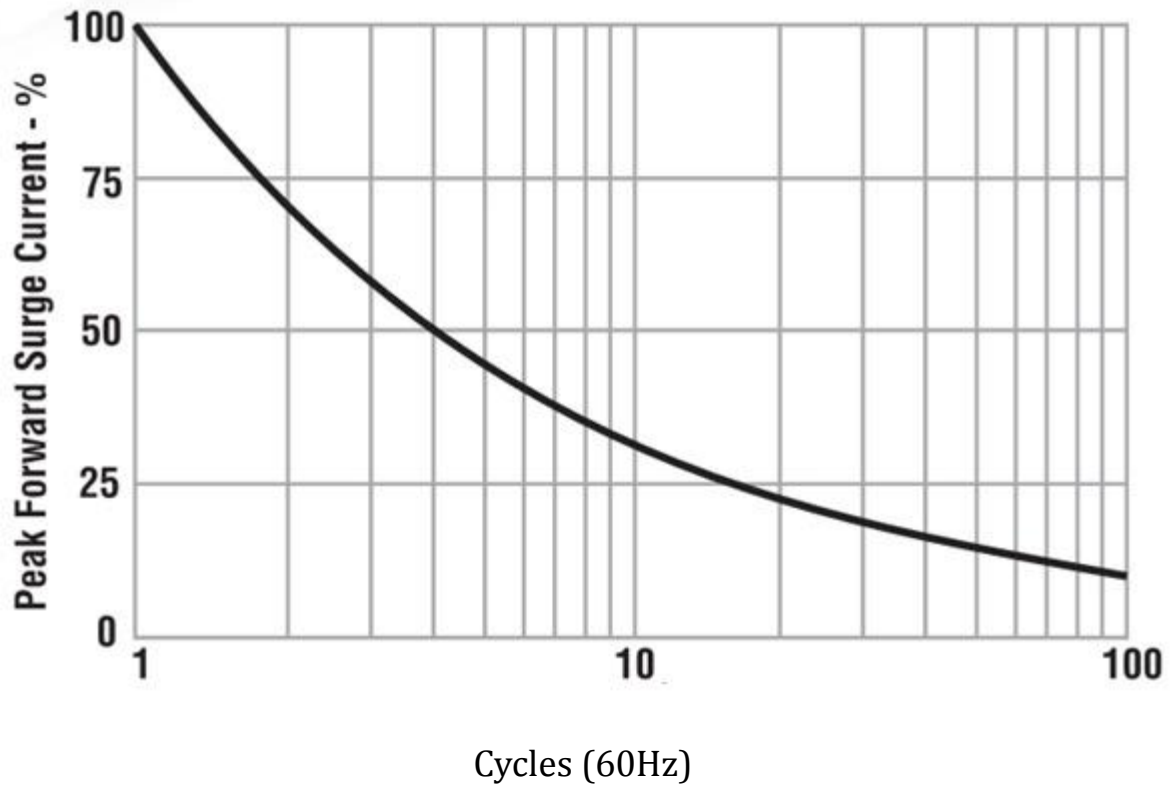


Fig 3

Non-Repetitive Surge Current



Note:

This product is recommended for use in oils.

It can be customized and designed according to customer requirements.