

INTRODUCE:

HVGT high-voltage axial lead rectifier assembly is made of high-quality GPP chip and PCB board structure, and is delivered to the customer after passing the inspection of professional testing equipment..

FEATURES:

1. High reliability design.
2. Very high voltage.
3. Standard frequency, high surge current.
4. Conform to RoHS and SGS.
5. GPP chip and PCB board structure.
6. Better heat dissipation when used in oil.

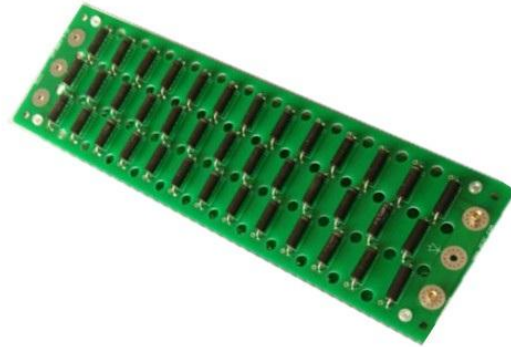
APPLICATIONS:

1. High voltage multiplier circuit
2. electrostatic precipitators.
3. General purpose high voltage rectifier.
4. Pulse rectifier circuit

MECHANICAL DATA:

1. Case: epoxy resin molding.
2. Terminal: Copper clad panel welding.
3. Net weight: 750.0 grams (approx).

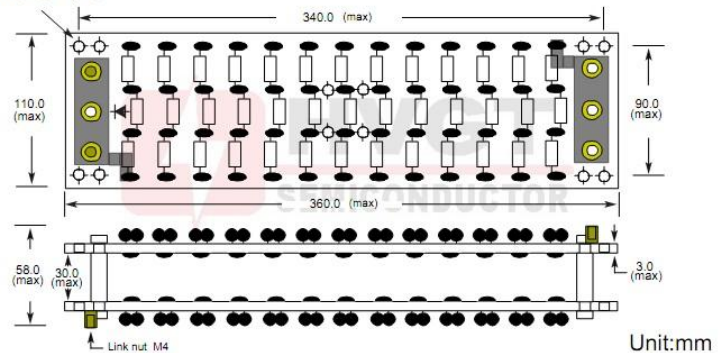
SHAPE DISPLAY:



SIZE: (Unit:mm) HVGT NAME: HVPCB2X3611

HVPCB-2X3611

Screw Holes $\phi 5$



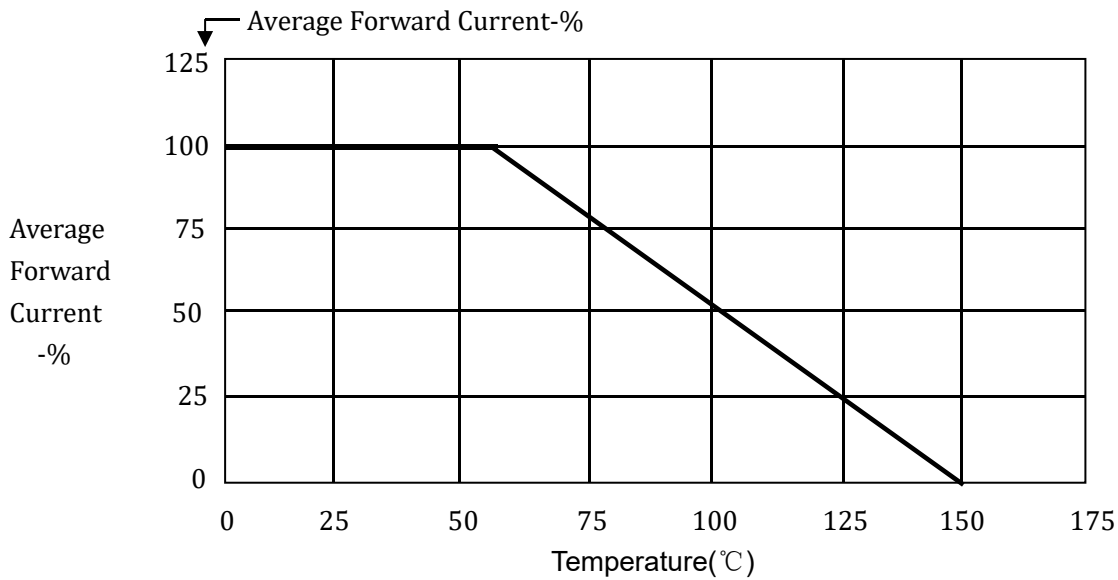
MAXIMUM RATINGS AND CHARACTERISTICS: (Absolute Maximum Ratings)

Items	Symbols	Condition	Data Value	Units
Repetitive Peak Reverse Voltage	V_{RRM}	$T_A=25^{\circ}C$	300	kV
Non-Repetitive Peak Reverse Voltage	V_{RSM}	$T_A=25^{\circ}C$	360	kV
Average Forward Current Maximum	I_{FAVM}	$T_A=55^{\circ}C$	3.5	A
		$T_{OIL}=55^{\circ}C$	5.0	A
Non-Repetitive Forward Surge Current	I_{FSM}	$T_A=25^{\circ}C$; 50Hz Half-Sine Wave; 8.3ms	60	A
Junction Temperature	T_J		150	$^{\circ}C$
Allowable Operation Case Temperature	T_C		-40~+150	$^{\circ}C$
Storage Temperature	T_{STG}		-40~+175	$^{\circ}C$

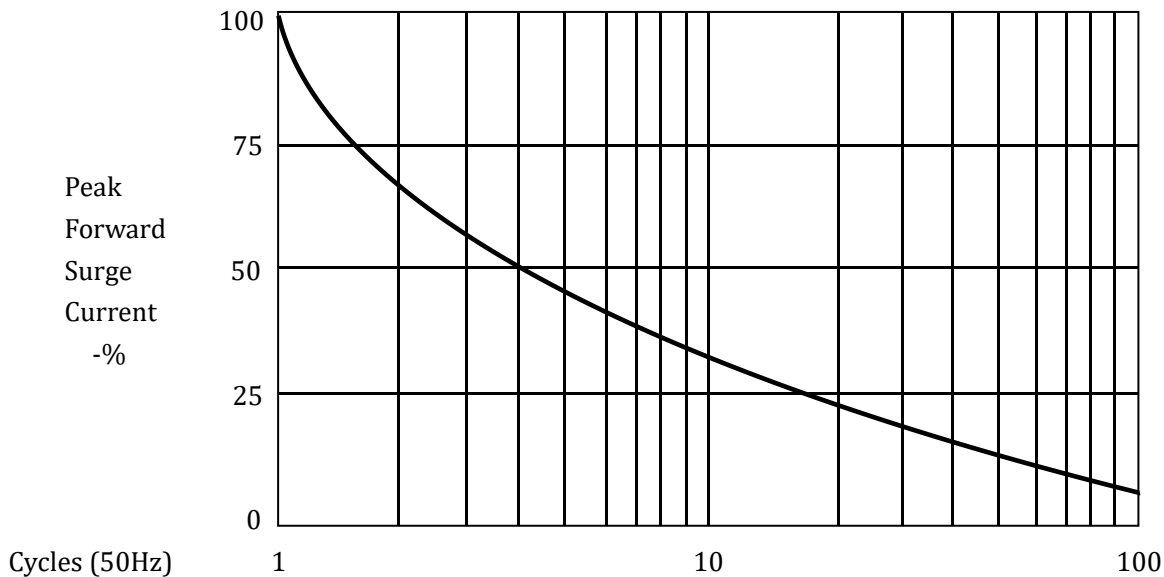
ELECTRICAL CHARACTERISTICS: $T_A=25^{\circ}C$ (Unless Otherwise Specified)

Items	Symbols	Condition	Data value	Units
Maximum Forward Voltage Drop	V_{FM}	at $25^{\circ}C$; at I_{FAVM}	300	V
Maximum Reverse Current	I_{R1}	at $25^{\circ}C$; at V_{RRM}	<20	μA
	I_{R2}	at $100^{\circ}C$; at V_{RRM}	--	μA
Maximum Reverse Recovery Time	T_{RR}	at $25^{\circ}C$; $I_F=0.5I_R$; $I_R=I_{FAVM}$; $I_{RR}=0.25I_R$	--	nS
Junction Capacitance	C_J	at $25^{\circ}C$; $V_R=0V$; $f=1MHz$	--	pF

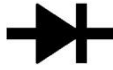
Forward Current Derating Curve



Non-Repetitive Surge Current



MARKING:

Type	Code	Cathode Mark
PG035W301D	PG035W301D HVGT	

PART NUMBER NOTE:

Type	Chip	I _{F(AV)}	Connecting end	V _{RRM}	T _{RR}
P	G	035	W	301	D
PCB Assembly Series	GPP Chip	3.5A	L=Lead S=Screw Holes W=Welding Surface	300kV	(U)75ns (G)100ns (D) Standard Recovery Time