

INTRODUCE:

HVGT high voltage axial lead rectifier assembly is made of high quality silicon GPP chip and high reliability epoxy resin sealing structure, and through professional testing equipment inspection qualified after to customers.

FEATURES:

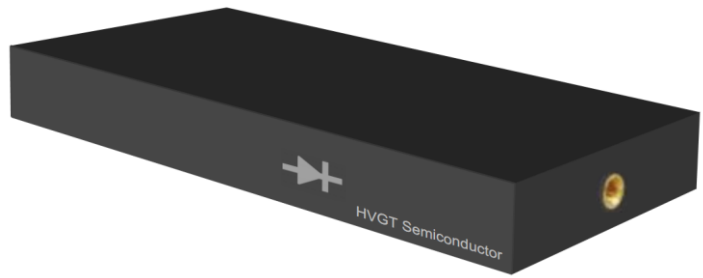
1. High reliability design.
2. GPP chip.
3. High frequency, Ultra-Fast recovery.
4. Conform to RoHS and SGS.
5. Epoxy resin molded in vacuum Have anticorrosion in the surface.

APPLICATIONS:

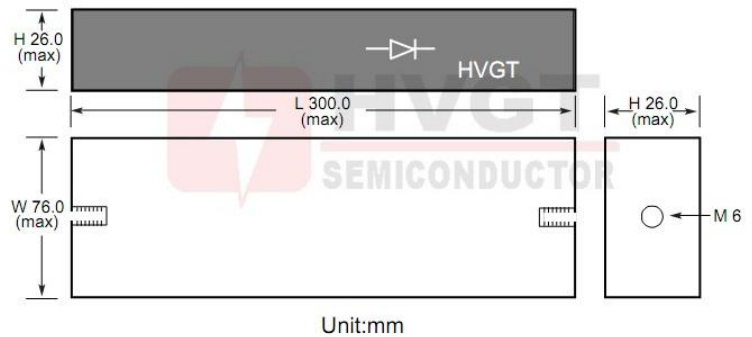
1. High voltage multiplier circuit
2. electrostatic precipitators.
3. General purpose high voltage rectifier.
4. Pulse rectifier circuit

MECHANICAL DATA:

1. Case: epoxy resin molding.
2. Terminal: screw holes.
3. Net weight: 1010 grams (approx).

SHAPE DISPLAY:

SIZE: (Unit:mm)
HVGT NAME: HVC-307626
HVC-307626 Series

Screw Holes M6

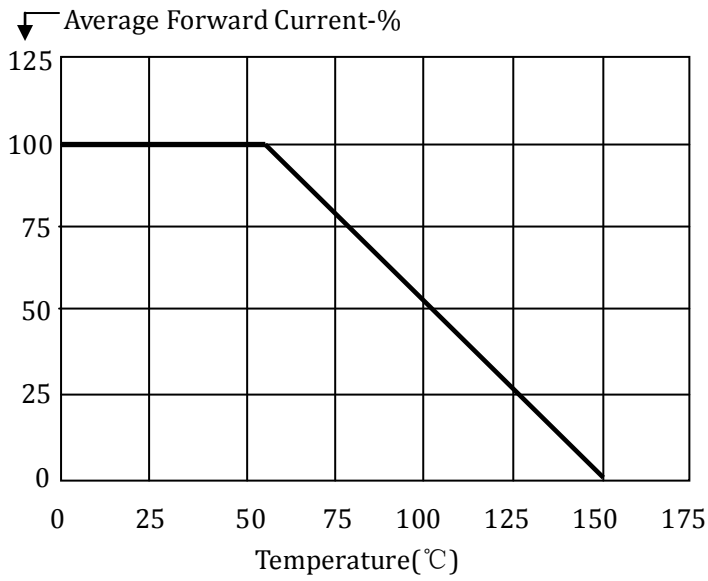

MAXIMUM RATINGS AND CHARACTERISTICS: (Absolute Maximum Ratings)

Items	Symbols	Condition	Data Value	Units
Repetitive Peak Reverse Voltage	V_{RRM}	$T_A=25^{\circ}C$	30	kV
Non-Repetitive Peak Reverse Voltage	V_{RSM}	$T_A=25^{\circ}C$	36	kV
Average Forward Current Maximum	I_{FAVM}	$T_A=55^{\circ}C$	6.0	A
		$T_{OIL}=55^{\circ}C$	9.0	A
Non-Repetitive Forward Surge Current	I_{FSM}	$T_A=25^{\circ}C$; 50Hz Half-Sine Wave; 8.3ms	180	A
Junction Temperature	T_J		150	$^{\circ}C$
Allowable Operation Case Temperature	T_c		-40~+150	$^{\circ}C$
Storage Temperature	T_{STG}		-40~+175	$^{\circ}C$

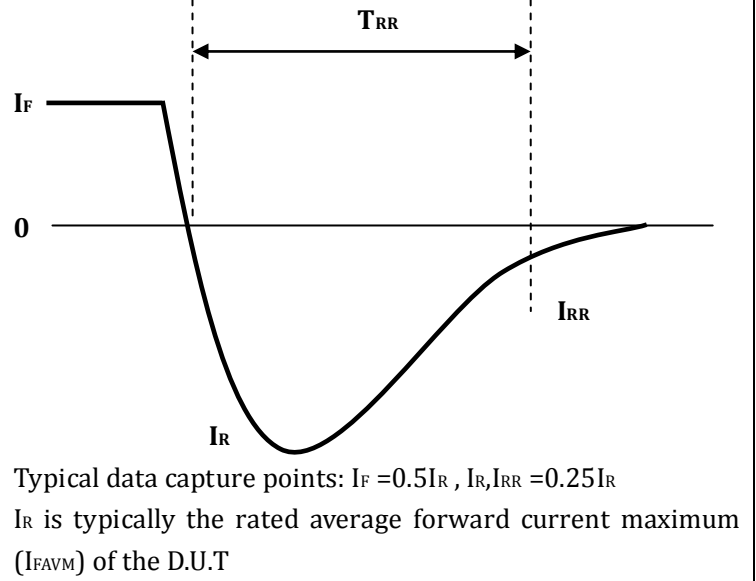
ELECTRICAL CHARACTERISTICS: $T_A=25^{\circ}C$ (Unless Otherwise Specified)

Items	Symbols	Condition	Data value	Units
Maximum Forward Voltage Drop	V_{FM}	at $25^{\circ}C$; at I_{FAVM}	52	V
Maximum Reverse Current	I_{R1}	at $25^{\circ}C$; at V_{RRM}	2.0	μA
	I_{R2}	at $100^{\circ}C$; at V_{RRM}	50	μA
Maximum Reverse Recovery Time	T_{RR}	at $25^{\circ}C$; $I_F=0.5I_R$; $I_R=I_{FAVM}$; $I_{RR}=0.25I_R$	75	nS
Junction Capacitance	C_J	at $25^{\circ}C$; $V_R=0V$; $f=1MHz$	--	pF

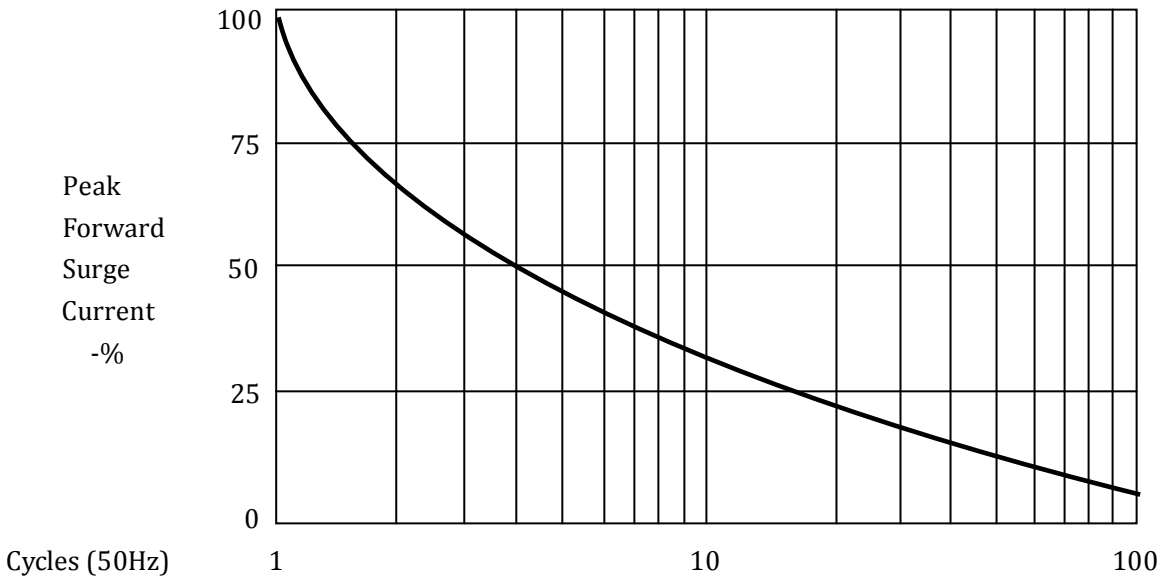
Forward Current Derating Curve



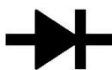
Reverse Recovery Measurement Waveform



Non-Repetitive Surge Current



MARKING:

Type	Code	Cathode Mark
AG060H300U	AG060H300U HVGT	

MODEL NOTE:

Type	Chip	$I_{F(AV)}$	Frequency	V_{RRM}	T_{RR}
A	G	060	H	300	U
Assembly Series	GPP Chip	6.0A	High Frequency	30kV	(U)75ns (G)100ns (D) Standard Recovery Time