

# HVCA 2CL60KV0.1A (60kV 100mA )

## HIGH VOLTAGE AXIAL LEAD FLAT PACK RECTIFIER

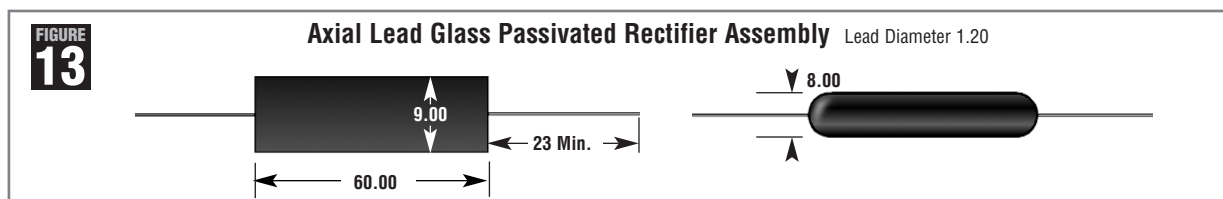
FIGURE  
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Finds use in applications such as X-ray machines and electrostatic precipitators.



HVS

### Outline Drawings : mm



### Maximum Ratings and Characteristics

#### ● Absolute Maximum Ratings

Items	Symbols	Condition	2CL60KV0.1A	Units
Repetitive Peak Reverse Voltage	$V_{RRM}$		60	kV
Average Output Current	$I_o$	$T_a=25^{\circ}\text{C}$ , Resistive Load	0.1	$A_{peak}$
Surge Current	$I_{FSM}$		10	$A_{peak}$
Junction Temperature	$T_j$		155	$^{\circ}\text{C}$
Allowable Operation Case Temperature	$T_c$		125	$^{\circ}\text{C}$
Storage Temperature	$T_{stg}$		-40 to +155	$^{\circ}\text{C}$

#### ● Electrical Characteristics ( $T_a=25^{\circ}\text{C}$ Unless otherwise specified)

Items	Symbols	Conditions	2CL60KV0.1A	Units
Maximum Forward Voltage Drop	$V_F$	at $25^{\circ}\text{C}$ , $I_F = I_{F(AV)}$	80	V
Maximum Reverse Current	$I_{R1}$	at $25^{\circ}\text{C}$ , $V_R = V_{RRM}$	5.0	$\mu\text{A}$
	$I_{R2}$	at $100^{\circ}\text{C}$ , $V_R = V_{RRM}$	50	$\mu\text{A}$
Maximum Reverse Recovery Time	$T_{rr}$	at $25^{\circ}\text{C}$	--	nS
Junction Capacitance	$C_j$	at $25^{\circ}\text{C}$ , $V_R=0\text{V}$ , $f=1\text{MHz}$	--	pF