HVCA™

HC12

12kV 0.8A HIGH VOLTAGE DIODES

HC-SERIES
HIGH VOLTAGE RECTIFIER BLOCKS WITH MOUNTING SLOTS.

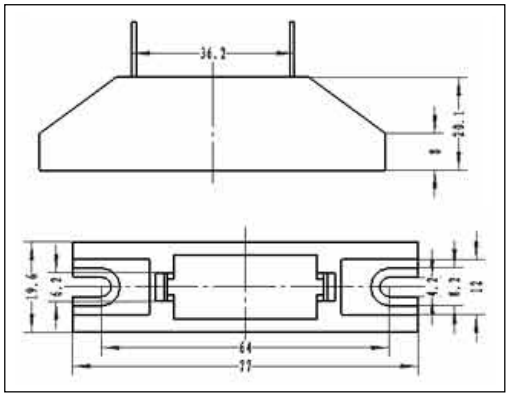
■ Features

- Rectifier Blocks
- High Voltage
- Mounting
- Slots

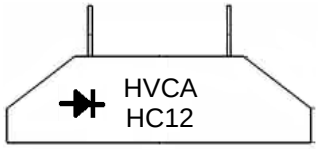
■ Applications

- X light Power supply
- Laser
- Voltage doubler circuit
- Microwave emission power

■ Outline Drawings : mm



■ Cathode Mark

Type	Mark
HC12	

■ Maximum Ratings and Characteristics

● Absolute Maximum Ratings

Items	Symbols	Condition	HC12	Units
Repetitive Peak Renerse Voltage	V_{RRM}		12	kV
Average Output Current	I_O	Ta=25°C,Resistive Load	0.8	A peak
Suege Current	I_{FSM}		50	A peak
Junction Temperature	Tj		155	°C
Allowable Operation Case Temperature	Tc		125	°C
Storage Temperature	T_{stg}		-40 to +155	°C

● Electrical Characteristics (Ta=25°C Unless otherwise specified)

Items	Symbols	Conditions	HC12	Units
Maximum Forward Voltage Drop	V_F	at 25°C,I_F =$I_{F(AV)}$	10.5	V
Maximum Reverse Current	IR1	at 25°C,V_R =V_{RRM}	0.5	uA
	IR2	at 100°C,V_R =V_{RRM}	5.0	uA
Maximum Reverse Recovery Time	Trr	at 25°C	--	nS
Junction Capacitance	Cj	at 25°C,V_R=0V,f=1MHz	--	pF

GETE ELECTRONICS CO.,LTD
Http://www.getedz.com E-mail:sales@getedz.com