HVGT HC14

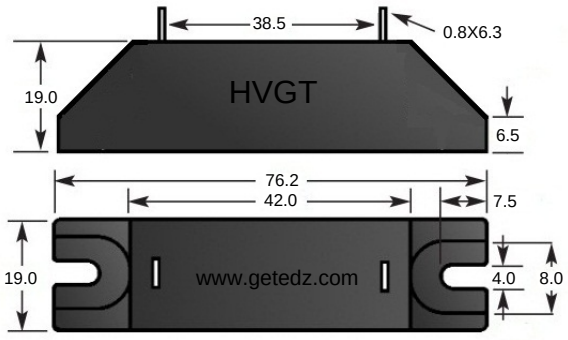
14kV 1.0A HIGH VOLTAGE DIODES

HC-SERIES
HIGH VOLTAGE RECTIFIER BLOCKS WITH MOUNTING SLOTS.

■ Features

- Rectifier Blocks
- High Voltage
- Mounting
- Slots

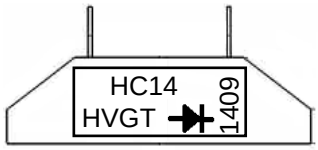
■ Outline Drawings : mm



■ Applications

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

■ Cathode Mark

Type	Mark
HC14	

■ Maximum Ratings and Characteristics

● Absolute Maximum Ratings

Items	Symbols	Condition	HC14	Units
Repetitive Peak Renerse Voltage	V_{RRM}		14	kV
Average Output Current	I_O	Ta=25°C,Resistive Load	1000	mA
Suege Current	I_{FSM}		50	A_{peak}
Junction Temperature	Tj		125	°C
Allowable Operation Case Temperature	Tc		125	°C
Storage Temperature	T_{stg}		-40 to +125	°C

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

Items	Symbols	Conditions	HC14	Units
Maximum Forward Voltage Drop	V_F	at 25°C,$I_F=I_{F(AV)}$	13	V
Maximum Reverse Current	IR1	at 25°C,$V_R=V_{RRM}$	0.5	μA
	IR2	at 100°C,$V_R=V_{RRM}$	5.0	μA
Maximum Reverse Recovery Time	Trr	at 25°C	---	nS
Junction Capacitance	Cj	at 25°C,V_R=0V,f=1MHz	---	pF

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