

20kV 750mA HIGH VOLTAGE DIODES

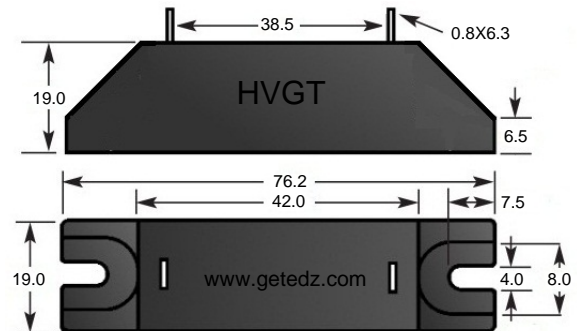
■ Outline Drawings : mm

HVP-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

■ Maximum Ratings and Characteristics

- Absolute Maximum Ratings

■ Cathode Mark

Type	Mark
HVP-20	

Items	Symbols	Condition	HVP-20	Units
Repetitive Peak Reverse Voltage	V_{RRM}		20	kV
Average Output Current	I_o	$T_a=25^{\circ}\text{C}$, Resistive Load	750	mA
Surge Current	I_{FSM}		50	A_{peak}
Junction Temperature	T_j		125	$^{\circ}\text{C}$
Allowable Operation Case Temperature	T_c		125	$^{\circ}\text{C}$
Storage Temperature	T_{stg}		-40 to +125	$^{\circ}\text{C}$

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

Items	Symbols	Conditions	HVP-20	Units
Maximum Forward Voltage Drop	V_F	at 25°C , $I_F=I_{F(AV)}$	22	V
Maximum Reverse Current	I_{R1}	at 25°C , $V_R=V_{RRM}$	5.0	μA
	I_{R2}	at 100°C , $V_R=V_{RRM}$	100	μA
Maximum Reverse Recovery Time	T_{rr}	at 25°C	---	nS
Junction Capacitance	C_j	at 25°C , $V_R=0\text{V}$, $f=1\text{MHz}$	---	pF