

RECTIFIERS

查询 UHVP802 供应商

High Reliability, HV Plus™ Series 8.0 Amps up to 600 Volts

FEATURES

- Ultra Fast Recovery - 35ns
- Controlled Avalanche
- High Temperature Operation With Low Loss
- Minimal Recovery Transients
- Low Turn-on Voltage
- TO-220AC Package

ABSOLUTE MAXIMUM RATINGS

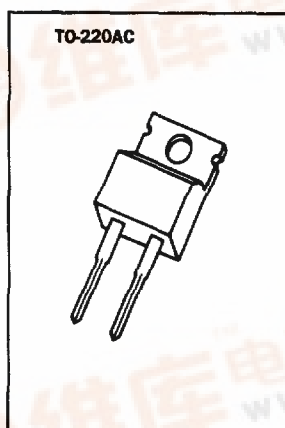
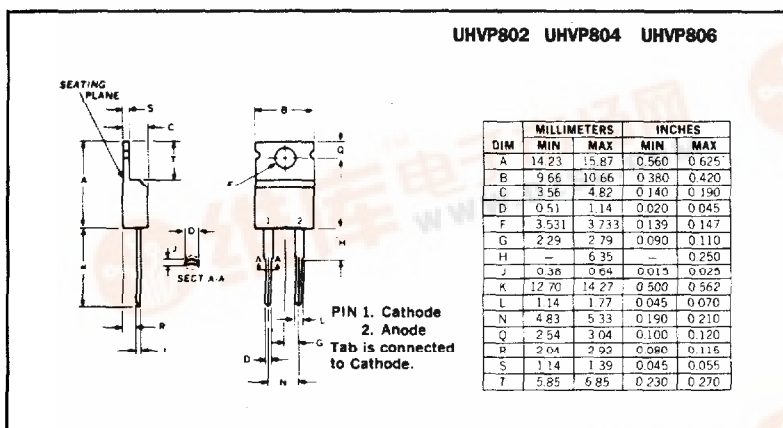
Peak Reverse Voltage, V_R , UHVP802	200V
Peak Reverse Voltage, V_R , UHVP804	400V
Peak Reverse Voltage, V_R , UHVP806	600V
Average DC Output Current, I_o , $T_c = 130^\circ\text{C}$	8A
Peak Forward Surge Current, 8.3ms	100A
Thermal Resistance Junction To Case	2.2°C/W
Operating and Storage Temperature	-55°C to +150°C

UHVP802 - UHVP806

捷多邦, 专业PCB打样工厂, 24小时加急出货

DESCRIPTION

This state of the art high frequency rectifier is ideally suited for applications requiring high blocking voltage. It has the ability to switch significant current with minimal switching transients and losses. Leakage current at high temperature has been minimized, achieving exceptionally low reverse losses. An ultra stable process ensures high reliability and long life. This device is designed for a wide variety of high-frequency applications.



ELECTRICAL CHARACTERISTICS (Tc = 25°C UNLESS NOTED)Pulse Width = 400 μ s, Duty Cycle = 1 Percent

Forward Voltage	Forward Voltage	Forward Voltage Tc = 125°C	Reverse Current	Reverse Current Tc = 125°C
1.35V @ 4.0A	1.5V @ 8.0A	1.2V @ 8.0A	10 μ A @ Vr = Rated	250 μ A @ Vr = Rated

SWITCHING CHARACTERISTICS (Tc = 25°C)

Reverse Recovery Time*	tIRM If = 8A di/dt = 100 A/ μ s	IRM If = 8A di/dt = 100 A/ μ s
35nS	35nS TYPICAL	3.5A TYPICAL

* MEASURED IN CIRCUIT If = 0.5A, Irm = 1.0A, Irec = 0.25A