



## HIGH VOLTAGE RECTIFIER

### HVP5 THRU HVP16

#### FEATURES

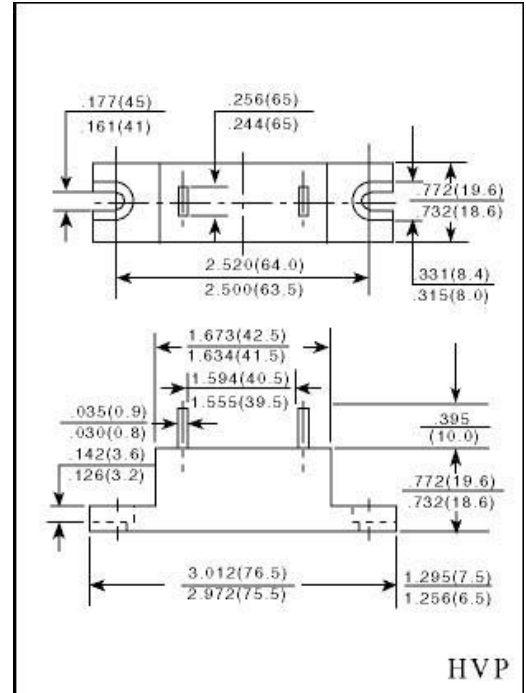
- Low leakage
- Low forward voltage drop
- Controlled avalanche characteristic
- High overload surge capability

#### MECHANICAL DATA

- Case: Plastic
- Epoxy: UL94V - 0 rate flame retardant
- Polarity: Polarity symbols marked on case.
- Weight: 1.03 ounce, 29.3 gram  
method 208C

#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

- Ratings at 25°C ambient temperature unless otherwise specified
- Single phase, half wave, 60Hz, resistive or inductive load.
- For capacitive load derate current by 20%



	SYMBOLS	HVP5	HVP8	HVP10	HVP12	HVP14	HVP15	HVP16	UNIT
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	5000	8000	10000	12000	14000	15000	16000	Volts
Maximum RMS Voltage	$V_{RMS}$	3500	5600	7000	8400	9800	10500	11200	Volts
Maximum DC Blocking Voltage	$V_{DC}$	5000	8000	10000	12000	14000	15000	16000	Volts
Maximum Average Forward Rectified Current at $T_A = 60^\circ\text{C}$	$I_{(AV)}$	750							Amps
Non-Repetitive Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	50							Amps
Maximum Instantaneous Forward Voltage Drop at 550mA	$V_F$	14.0							Volts
DC Reverse Current at rated DC blocking voltage	$I_R$	5.0							$\mu\text{A}$
Operating Temperature Range	$T_J$	(-20 to 135)							°C
Storage Temperature Range	$T_{STG}$	(-20 to 135)							