

HVP5 THRU HVP16

FEATURES

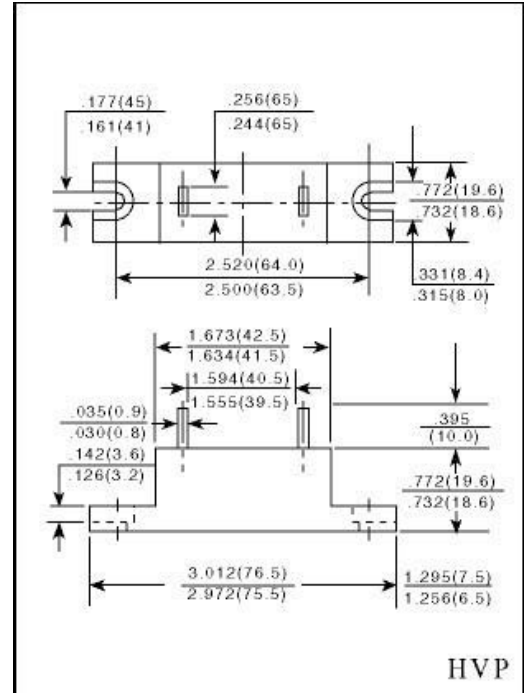
- Low leakage
- Low forward voltage drop
- Controlled avalanche characteristic
- High overload surge capability

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°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							μ A
Operating Temperature Range	T _J	(-20 to135)							°C
Storage Temperature Range	T _{STG}	(-20 to135)							