HIGH VOLTAGE RECTIFIER

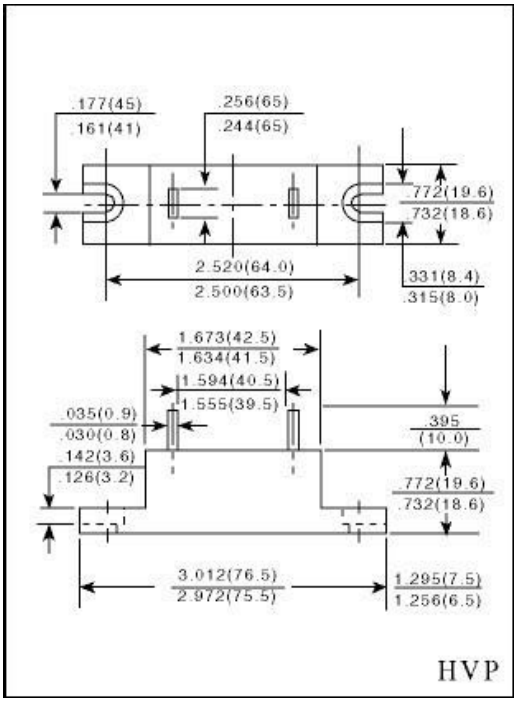
HVP5 THRU HVP16

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℃ 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℃	$I_{(AV)}$	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							μA
Operating Temperature Range	T_J	(-20 to135)							℃
Storage Temperature Range	T_{STG}	(-20 to135)							