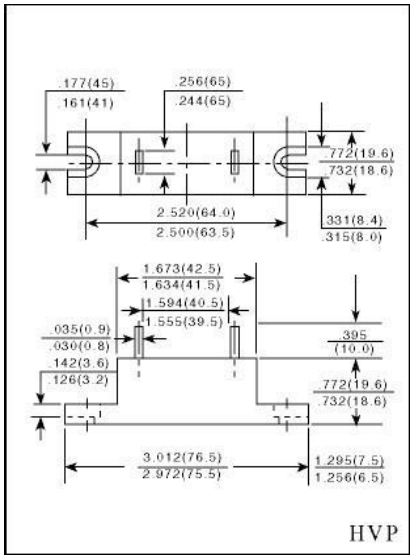
HIGH VOLTAGE RECTIFIER

HVP5 - 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 750mA	V_F	8.0		10.0	14.0			16.0	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)							

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