



HV Series HV-3-900A

- No external components required
- Single output isolated high voltage DC/DC converters
- Full Military temperature range
- PC board mount
- High reliability, High voltage power supplies
- Ultra miniature, low profile

General Specifications

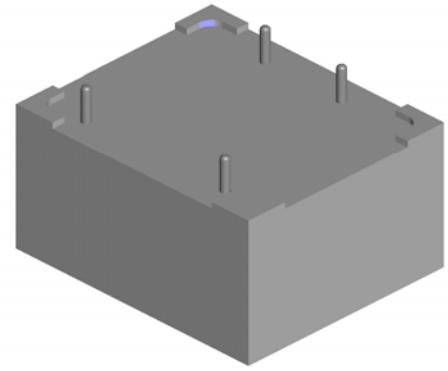
Input Voltage: 4.5 – 5.5 Vin
Frequency Range: 50 KHZ +/- 30%
Output Voltage: 800 – 1000V
Output Current: 3MA max
Physical size: 1.181 x 1 X .75
12 Volt, 15 Volt, 24 and 28 Volt. V in provided upon request.

Electrical Specifications

Line regulation (Lo line to hi line): +/- 10% (Output proportional to input voltage 900V @ 5V in 3 MA load)
PARD (ripple noise): 3V PK - PK
Efficiency (min): 70%
Isolation: 2000 VDC
Output Power: 3W Max 10% min load required
No external components required

Temperature Specification

Operating Case Temperature: -55C to +85C
Storage Temperature:- 55C to +105C

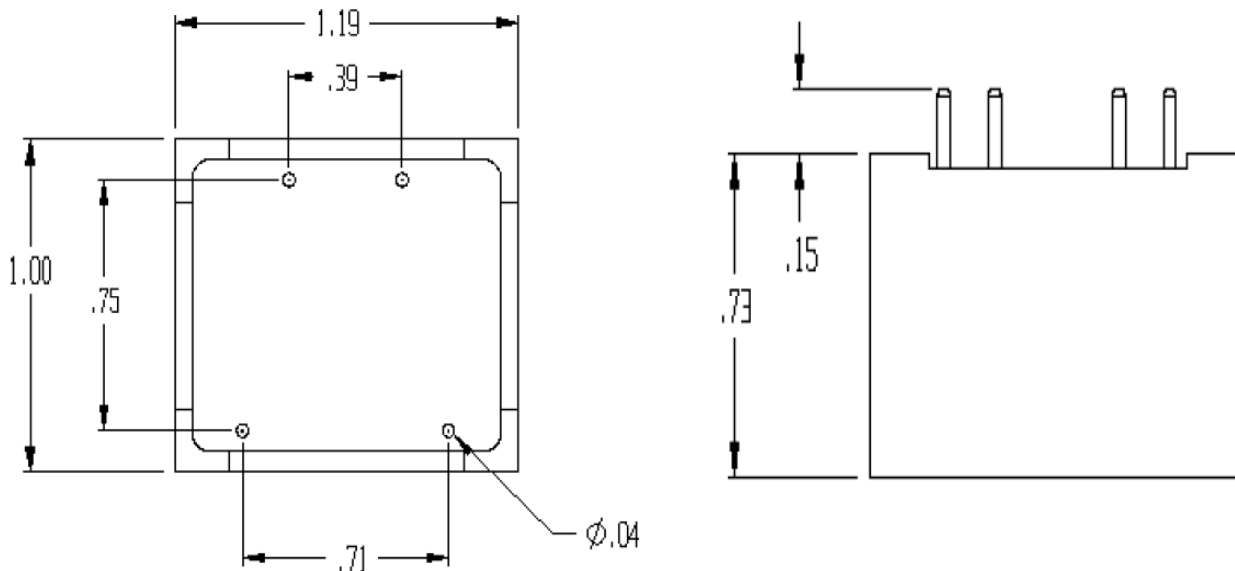


Environmental Specifications

High Temperature: MIL- STD- 810 F Method 501.4 procedure 1 and 2
Low temperature: MIL-STD-810 F method 503.4 procedure 1 and 2
Humidity: MIL- STD- 202 G Method 103 B
Fungus: MIL- STD- 810 F Method 508 condition A
Salt Fog: MIL-STD-202G Method 101 E Test condition A
Sand and Dust: MIL- STD- 810 F Method 510.4 procedure 1 and 2
Explosive atmosphere: MIL- STD- 810 F Method 511 condition A
Acceleration: MIL- STD- 810 F Method 513.5 Procedure 1 and 2
Vibration: MIL- STD- 810 F Method 514.2
Shock: MIL-STD-883 Method 2002.4

Physical Specifications

Maximum Case Size: 1.19X 1 X .75
Cooling Method : Convection
Enclosure finish: Delrin
Input/output Termination: 4 Solderable gold pins



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