

24VDC Nina Computer Power Supply

Specifications

Input Voltage:

DC Input: 19~32v

Characteristics:

DC Output Voltage: 12V

MTBF (H): 700,000

Output Rated Current: 4.5A

Switching Frequency: 91kHz Fix.

Ripple Noise: 290mVp-p

Line Regulation (max): 192mV

Load Regulation (max): 216mV

Rise Up Time: 500mS (max) @25°C

Efficiency: 82%

DC Voltage Adj.: +/- 10% (at no load)

Input Current: 5.79A (Typ.)

Drift: 135mV (Max)

Recovery Time: 0.5mS

Temp. Coefficient: +/- 0.03%/C (25°C)

Setup / Rise time: 500mS (max) @ 25°C

Dynamic Load Regulation: 720mV (charged Between 20% and 75% of rated output current)

Isolation Resistance: P-S-FG 50mOhms(Min) by DC500V Insulation Tester

Withstanding Voltage: PS AC1, 500V for 1min
PF AC1, 500V for 1min
SFG AC1, 500V for 1min

Environmental:

*Operating Temp: 0°C to +50°C

Storage Temp: -20°C to +85°C

Operating Humidity: 85% (Non-Condensing)

Storage Humidity: 10% to 95% (Non-Condensing)

Shock: 294m/s²

5-10Hz: 10mm double amplitude,

Vibration (Non Operating): 10-55Hz: 19.6m/s² 20Min, for 60 Min, each x, y and z.

**We DO NOT recommend routine operation @ extreme temperatures.*

Mechanical Description

Construction:

Housing: Preformed Aluminium

Ventilation: Perforated Ventilated Case

Mounting Style:

Surface: 4 bolt bracket, horizontally, vertically or inverted

Dimensions:

3.0"W x 3 29/32"H x 8.16"D

Power Supply: 76.2mm W x 99.26mm H x 207.39mm D

Weight:

Weight (kg): 1.75 lbs (0.79) kg

Approvals / Warranty

Compliance: CE; CISPR22 / EN 550222

FCC Part 15 Section 15.109

Limited Warranty: 1 Year

Ordering Codes

Configuration:

Part Number 00-0307

Compatible Nauticomp PC's:

Nina CelX 40-6666, 40-6667

Nina PenX 40-7777, 40-7778

Nina PenX Plus 40-7779

Shipping:

Carton Size (cm): 10" (25) W x 4" (10) H x 8" (20) D

Weight (kg): 6.0 lbs (2.7)

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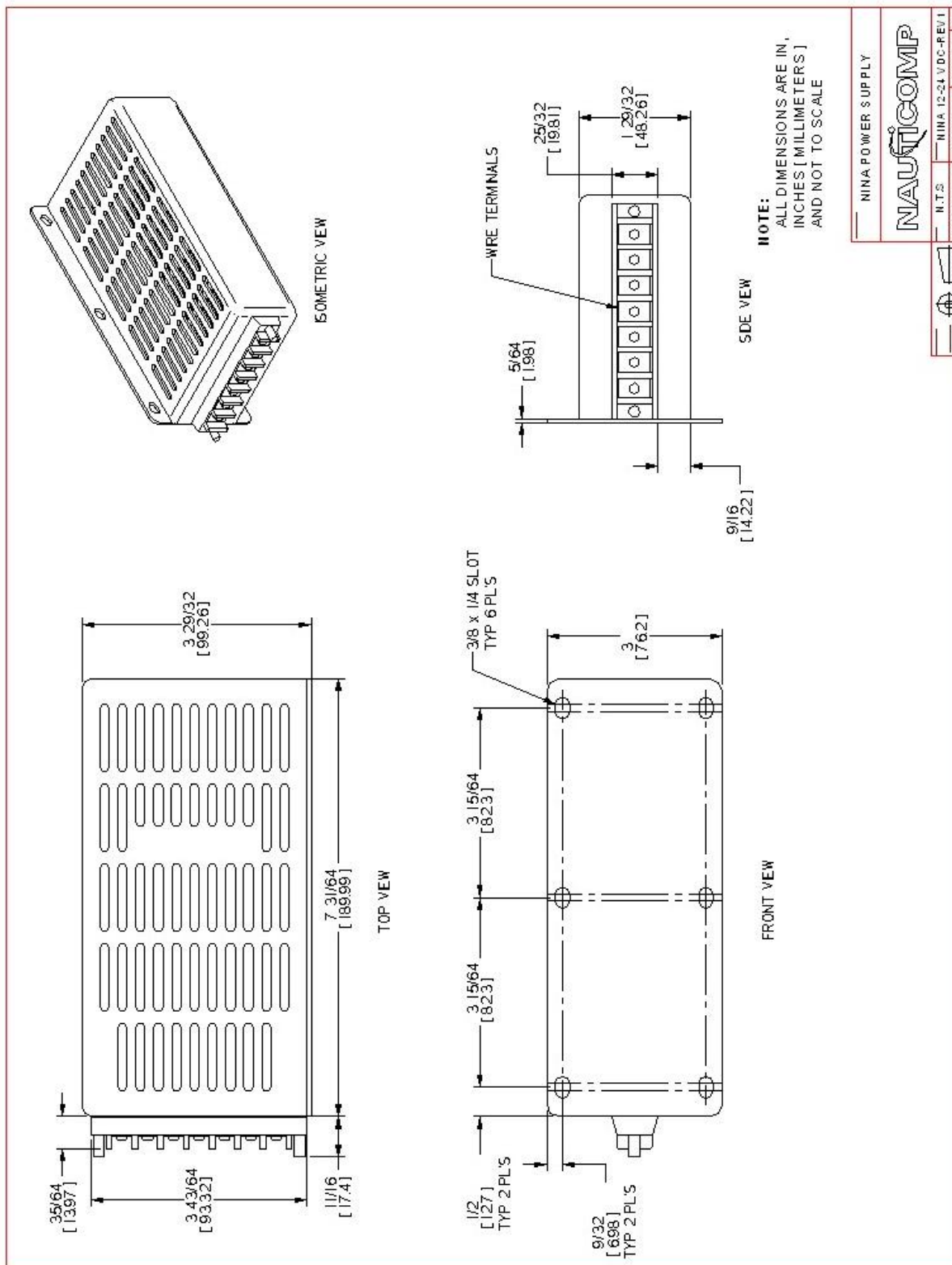
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Due to a policy of continuous product development NAUTICOMP reserves the right to change specifications and descriptions without prior notification. All trade marks acknowledged.

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