

M914 SERIES

AC/DC LINEAR POWER SUPPLY



PRODUCT HIGHLIGHTS

- MINIATURE
- HIGH DENSITY
- 3-PHASE 400HZ INPUT
- SINGLE/DUAL OUTPUT
- UP TO 90 W



Applications

Military, Ruggedized, Telecom, Industrial

Special Features

- Miniature size
- Low noise non-switching linear regulator
- High Reliability Components
- Input / Output isolation
- EMI filters included
- Indefinite short circuit protection with auto-recovery
- Over Voltage Protection

Environmental

Meets or exceeds MIL-STD-

810D Temperature:

Operating -55°C to +85°C (baseplate)

Storage -55°C to +125°C

Reliability

150'000 hours, calculated per MIL-STD-217F at +85°C baseplate, ground fixed.

Electrical Specifications

AC INPUT

AC Input range:

115VAC, 3-Phase, 400 Hz

EMC:

Designed to meet or exceed MIL-STD-461D:

CE03, CE07

RE02

RS02,

RS03

CS01, CS02, CS06

Isolation:

500V between Input and Output

500V between Input and Case

DC OUTPUT (floating)

Line/Load regulation:

Less than 1%

(No load to full load, -40°C to +90°C)

Ripple and Noise:

30 mV_{p-p}, typical (max. 1%)

Current limiting (Fold Back):

Continuous protection for unlimited time

Overvoltage protection: Passive tranzorb on outputs.

Isolation:

500V between Output and Input

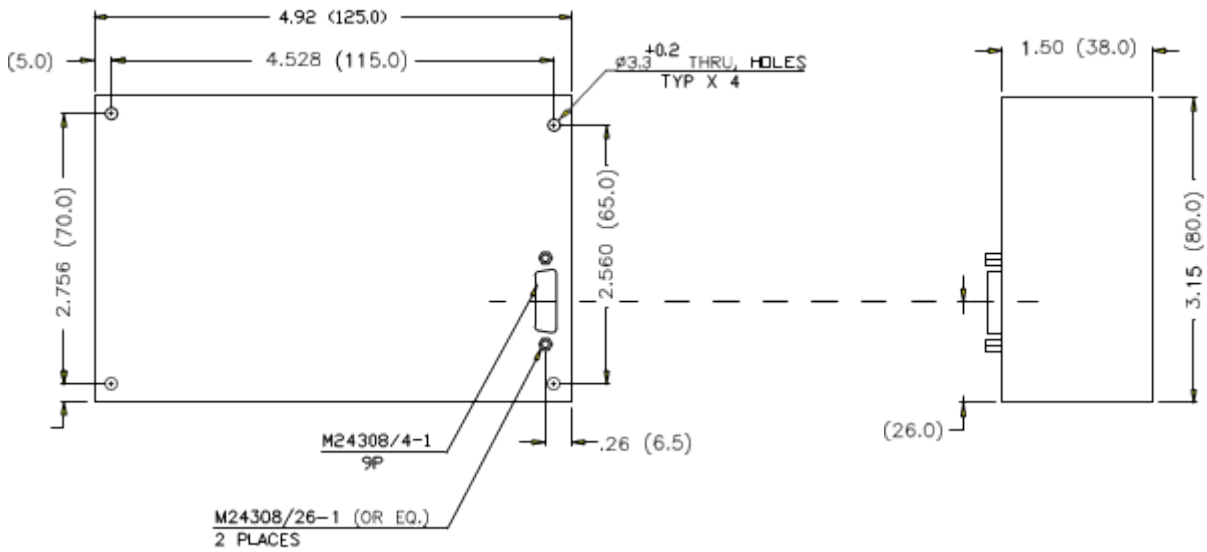
100V between Output and Case

Typical Pin Assignment*

PIN No.	PIN Function
1	PHASE A
2	VOUT #1 RTN
3	VOUT #1
4	PHASE B
5	VOUT #2
6	VOUT #2 RTN
7	PHASE C
8	N.C.
9	N.C.

Note: Different connector pin assignment available. 15 & 25 pin connectors may be used for single/dual output modules. Please contact factory for specific model pin-out/connector type.

Outline Drawing



Notes

1. Dimensions are in Inches [mm]
2. Tolerance is:
.XX ±0.01 IN
.XXX ±0.005 IN
3. Weight (Typical): 33Oz (950gr)
4. Add suffix "S" for side connector model (replacing the top connector)

*Specifications are subject to change without prior notice by the manufacturer.