Expansion Shelf
RMT-103

Features

- **Uses existing AN/VRC-103 shock mount tray**
- **Uses existing AN/VRC-103 24 VDC power cable**
- **Power distribution unit passes through 24 VDC power for AN/VRC-103 and second transceiver**
- **Power distribution unit provides two switched 12 VDC/6.25 power cigarette lighter jack receptacles for auxiliary equipment**
- **24 VDC interconnect cable provided**
- **24 VDC power cable provided for second transceiver**

Overview

The RMT-103 is an expansion shelf for the AN/VRC-103(V)1 vehicle radio communication system.

One Source, Many Solutions

The RMT-103 is another example of the broad capabilities of Ultralife Communications Systems to provide products, systems and 'concept to reality' engineering solutions to the military and defense industries. Ultralife offers a wide range of products from batteries, RF amplifiers, chargers, power adapters, speakers, cables/connectors, equipment mounts and case equipment.

As a worldwide leader in power solutions and accessories, Ultralife customers benefit from a company that is one source for many solutions.

When customers have totally new or unique requirements or need adaptations to meet mission critical program requirements, our design and engineering teams can provide extensive services ranging from mechanical, electrical, software and testing. Based on your defined needs, we provide total solutions including costing, prototyping, testing and manufacturing.

Ultralife Communications comprises two brands: McDowell Research and AMTI.

2000 Technology Parkway, Newark, New York | 315-332-7100 | Fax: 315-331-7800
©2010 Ultralife Corporation • www.ultralifecorp.com • all specifications subject to change without notice
The information contained herein is for reference only and does not constitute a warranty of performance • 14 March 2016 Rev A

Expansion Shelf
RMT-103

Technical Specifications:

Part No.	RMT-103
Input voltage range	18-75 V
Under voltage lockout	17 V
Input filter	PI type
Voltage accuracy	+/- 1% max
Short circuit protection	Continuous
Line regulation	+/- 0.2 max
Load regulation	+/- 0.2 max
Over voltage protection trip range	115-140%
Current limit	110-160% nominal input
Efficiency	Greater than 84%
Switching frequency	300 KHz typical
Operation case temperature	-40°C to 100°C
Storage temperature	-55°C to +105°C
Thermal shutdown, case temperature	+100°C typical
Case material	Aluminum

2000 Technology Parkway, Newark, New York | 315-332-7100 | Fax: 315-331-7800
©2010 Ultralife Corporation • www.ultralifecorp.com • all specifications subject to change without notice
The information contained herein is for reference only and does not constitute a warranty of performance • 14 March 2016 Rev A