

# V104

## PC/104 Vehicle Power Supply



### Features

- 25W output
- 8V to 30V DC input range
- Standard 5V and 12V, optional -5V and -12V
- Low quiescent current
- PC/104 compliant, highly compact
- Clean and filtered power for the PC/104 bus
- Temperature range: 0°C to 70°C
- Optional AC bus Termination to reduce noise on the bus
- Optional reverse input protection (Part # RPD)

### Electrical

#### Output Voltage

- |               |       |
|---------------|-------|
| • 5V output*  | 5.00A |
| • 12V output  | 1.00A |
| • -5V output  | 0.40A |
| • -12V output | 0.16A |

**Input Voltage** 8V to 30V DC

#### Performance Characteristics

- |                        |           |
|------------------------|-----------|
| • Peak to Peak ripple* | < 50mV    |
| • Load Regulation**    | < 30mV    |
| • Line Regulation**    | 40mV      |
| • Output Temp. Drift** | < 10mV    |
| • Output Ripple**      | 50mV      |
| • Quiescent Current*** | 22mA      |
| • Efficiency           | up to 85% |

### Environmental

- Temperature Range 0°C to 70°C

### Mechanical

- Size\*\*\*\* 3.55" x 3.75" x 0.60"

\* Current rating includes current supplied to 12V, -5V & -12V regulators  
 \*\* Measured on the 5V output  
 \*\*\* LEDs disabled and power supply is in shutdown mode  
 \*\*\*\* Not including pass through pins

### Ordering Information

Part Number	Description
☐ V104-5-16	☐ 5V output
☐ V104-512-16	☐ 5V and 12V outputs
Options (factory configured)	
☐ OPT-5V	☐ -5V output
☐ OPT-12V	☐ -12V output
☐ OPT-512V	☐ -5V and -12V outputs
☐ OPT-T	☐ AC Bus Termination installed onto the power supply
☐ RPD	☐ Reverse Polarity Diode for reverse input protection



### Tri-M Systems and Engineering

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