



MSTronic Co., Ltd.

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SPECIFICATION

MIT-59-0524-12

2 USB to 24VDC PoE Converter

1. INPUT :

1.1 Input Voltage: DC4.75V to DC5.25V NORMAL= 5V

2. OUTPUT :

2.1 Output Voltage & Current:

| | |
|--------------|---------|
| OUTPUT | +24V |
| Max. load | 0.5A |
| Power | 12W Max |
| Min. Load(2) | 0.1A |
| Load reg. % | 5% |
| Line reg. % | 1% |
| Ripple %(1) | 1% |
| Noise %(1) | 5% |

TOTAL POWER : 12W

Note 1: Ripple & Noise bandwidth is from DC to 20Mhz.

Terminated With a 47uF Capacitor and 0.1uf MPE Capacitor of Proper Polarity.

Note 2: to_match up PSE

3. EFFICIENCY : 72% min @5Vin dc (include USB contact loss)

4. PROTECTION

4.1 Short Circuit Protection

output Short GND Terminal will not damage the Power Supply and will Auto-Reset.

Over Load Protection is Current Limits mode , auto-recovery.

4.2 Operation frequency is 70KHZ

4.3 Isolation Voltage : NO Isolation.

5. GENERAL DESCRIPTION

5.1 Operation Temperature: -25 - +50 Degree

5.2 Storage Temperature: -40 - +85 Degree

5.3 Operation Humidity: 5% - 90% 45 Degree

5.4 Cooling: Free air cooling



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5.5 Plastic Case Material: ABS

5.6 Plastic Case Color: BLACK

5.7 Plastic Case Dimension: 85mm (L) * 78mm (W) * 36mm (H)

6. Connector assignment:

6.1 Voltage INPUT : USB

6.2 8P8C Input Socket (per channel) data

| 8P8C Input (Data only) | | |
|------------------------|--------|---------------|
| Pin | Symbol | Description |
| 1 | RX+ | Data Receive |
| 2 | RX- | Data Receive |
| 3 | TX+ | Data Transmit |
| 4 | NC | NC |
| 5 | BC | NC |
| 6 | TX- | Data Transmit |
| 7 | NC | NC |
| 8 | NC | NC |

6.3 Power-Hub RJ45 Output Socket (per channel) data & Power-Connected to DTE

| RJ-45 Output (Data+Power) | | |
|---------------------------|--------|---------------------|
| Pin | Symbol | Description |
| 1 | RX+ | Data Receive |
| 2 | RX- | Data Receive |
| 3 | TX+ | Data Transmit |
| 4 | VO+ | Feeding power/+ |
| 5 | VO+ | Feeding power/+ |
| 6 | TX- | Data Transmit |
| 7 | VO- | Feeding power/- |
| 8 | VO- | Feeding power/- |
| 9 | Shield | Connector shielding |

