



MSTronic Co., Ltd.

2F, 12, Gongshang Rd., Wugu District, New Taipei City, 248 Taiwan

TEL:886-2-2293-0159 FAX:886-2-2292-8851

E.MAIL: mse@mse.com.tw

WEB: <http://www.mse.com.tw>

SPECIFICATION

MIT-59-0548-12

2 USB to 48VDC PoE Converter

1. INPUT :

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

2. OUTPUT :

2.1 Output Voltage & Current:

OUTPUT	+48V
Max. load	0.25A
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 : NON-Isolation model.

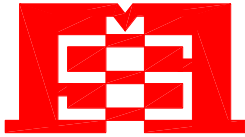
5. GENERAL DESCRIPTION

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



MSTronic Co., Ltd.

2F, 12, Gongshang Rd., Wugu District, New Taipei City, 248 Taiwan

TEL:886-2-2293-0159 FAX:886-2-2292-8851

E.MAIL: mse@mse.com.tw

WEB: <http://www.mse.com.tw>

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

