



MSTronic Co., Ltd.

2F, 12, Gongshang Rd., Wugu Dist., 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>

PoE Splitter

MIT-11-1209

SPECIFICATION

1. INPUT :

1.1 Input Voltage: DC -40V to DC-60V NORMAL= -48V

1.2 Under Voltage Lockout: DC -30V

2. OUTPUT :

2.1 Output Voltage & Current:

Model	MIT-11-1209
OUTPUT	+9V
Max. load	1.34A
Power	12W Max
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	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.

3. EFFICIENCY : 75% min @-48Vin dc

4. PROTECTION

4.1 Short Circuit Protection

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

Mode is current limits ($IO(lim) = io * 1.5 \text{ max}$)

4.2 Operation frequency is 100KHZ

4.3 Isolation Voltage : 1500Vdc

4.4 Isolation Resistance :100M ohms (min)

4.5 Input Set class Resistance : 25K ohms

4.6 Maximum Capacitive Load : 470UF (24V = 100UF)



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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
- 5.5 SIZE : 65x45x26 (L*W*H)m/m

6. RJ-45 CONNECTOR & PINOUT

RJ-45 input (Data & Power)			RJ-45 Output (Data Only)	
Pin	Symbol	Symbol	Description	Description
1	RX+, Vin +/-	Data Receive& power Vin +/-	Rx+	Data Receive
2	RX-, Vin +/-	Data Receive& power Vin +/-	Rx-	Data Receive
3	TX+, Vin +/-	Data Transmit& power Vin +/-	Tx+	Data Transmit
4	Vin +/-	power Vin +/-	NC	Not Connected
5	Vin +/-	power Vin +/-	NC	Not Connected
6	TX-, Vin +/-	Data Transmit& power Vin +/-	Tx-	Data Transmit
7	Vin +/-	power Vin +/-	NC	Not Connected
8	Vin +/-	power Vin +/-	NC	Not Connected

Note: 1. the model is isolated design.

2. PoE input could be on 1,2,3,6 (mode A) or 4,5,7,8 (mode B)

6.1 DC Power Plug : 5.5mm * 2.5mm * 12mm

polarity : Inside is (+) , Outside is (-)

- 7. E M I Meet FCC Class B standard
 Meet EN55032 Class B standard





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