



MSTronic Co., Ltd.

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PoE Splitter MIT-11-1212

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-11-1212
OUTPUT	+12V
Max. load	1A
Power	12W Max
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	2%
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 ($IO(lim) = i_o * 1.5 \max$)

- 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. CHANNEL CONNECTORS & PINOUT :

6.1 Power-Hub RJ45 Input Socket (per channel) data & Power-Connected to DTE

RJ-45 Input (Data & Power)			RJ-45 Output (Data Only)	
Pin	Symbol	Description	Symbol	Description
1	RX+	Data Receive	RX+	Data Receive
2	RX-	Data Receive	RX-	Data Receive
3	TX+	Data Transmit	TX+	Data Transmit
4	Vin +/-	Feeding power(+/-)	NC	Not Connector
5	Vin+/-	Feeding power(+/-)	NC	Not Connector
6	TX-	Data Transmit	TX-	Data Transmit
7	Vin+/-	Feeding power(+/-)	NC	Not Connector
8	VIn+/-	Feeding power(+/-)	NC	Not Connector
9	Shield	Connector shielding	Shield	Connector shielding

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

RJ-45 Input (Data & Power)			RJ-45 Output (Data Only)	
Pin	Symbol	Description	Symbol	Description
1	RX+(Vin +/-)	Data Receive	RX+	Data Receive
2	RX-(Vin +/-)	Data Receive	RX-	Data Receive
3	TX+(Vin +/-)	Data Transmit	TX+	Data Transmit
4	NC	Feeding power(+)	NC	Not Connector
5	NC	Feeding power(+)	NC	Not Connector
6	TX-(Vin +/-)	Data Transmit	TX-	Data Transmit
7	NC	Feeding power(-)	NC	Not Connector
8	NC	Feeding power(-)	NC	Not Connector
9	Shield	Connector shielding	Shield	Connector shielding

Note : the model is isolated design.



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6.3 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

