

MSTronic Co., Ltd.

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MIT-24G-xxxx

PoE Splitter

DC/DC, Gigabit, 802.3BT

1. INPUT :

1.1 Input Voltage: DC 40V to DC 57V NORMAL= 48V

1.2 Under Voltage Lockout: DC 29.5 ~ 32V

2. OUTPUT :

2.1 Output Voltage & Current:

Model	MIT-24G-5212D	MIT-24G-5224D
OUTPUT	+12V	+24V
Max. load	4.33A	2.16A
Power	52W Max	52W Max
Min. Load(2)	0A	0A
Load reg. %	5%	5%
Line reg. %	1%	1%
Ripple %(1)	1%	1%
Noise %(1)	5%	5%

TOTAL POWER :52W

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 : 88% min @40 ~ 58Vin dc

4. PROTECTION

4.1 Short Circuit Protection

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

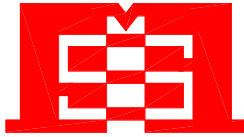
4.2 Operation frequency : 75KHZ

4.3 Isolation Voltage : 1500Vdc

4.4 Isolation Resistance :100M ohms (min)

4.5 Input identify Resistance : 25K ohms

4.6 Maximum Capacitive Load : 470UF@12V , (24V = 100UF)



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5. GENERAL DESCRIPTION

- 5.1 Operation Temperature: -40 - +70 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 : 125*72*38 (L*W*H)m/m

6. CONNECTORS & PINOUT DEFINITION:

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	-Vdc + BI_DA+	power(+/-)+Data Pair A+	BI_DA+	Data Pair A+
2	-Vdc + BI_DA-	power(+/-)+Data Pair A-	BI_DA-	Data Pair A-
3	+Vdc + BI_DB+	power(+/-)+Data Pair B+	BI_DB+	Data Pair B+
4	+Vdc + BI_DC+	power(+/-)+Data Pair C+	BI_DC+	Data Pair C+
5	+Vdc + BI_DC-	power(+/-)+Data Pair C-	BI_DC-	Data Pair C-
6	+Vdc + BI_DB-	power(+/-)+Data Pair B-	BI_DB-	Data Pair B-
7	-Vdc + BI_DD+	power(+/-)+Data Pair D+	BI_DD+	Data Pair D+
8	-Vdc + BI_DD-	power(+/-)+Data Pair D-	BI_DD-	Data Pair D-

6.2 DC Power Plug Diameter(DTE) : 5.5mm * 2.5(or 2.1)mm * 12mm

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

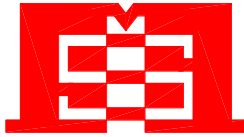
Note : the model is isolated design, the output +/- or input +/- can be shorted to ground (FG).

- 7. EMI Meet FCC Class B Radiation standard
- Meet EN55032 Class B Radiation standard

8. Indicator

8.1 GREEN LED = OUTPUT OK





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