MSTronic Co., Ltd.

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MIT-06G-2505H

Gigabit PoE Splitter

1. INPUT :

1.1 Input Voltage: DC40V to DC60V NORMAL=56V

1.2 Under Voltage Lockout: DC 31 ~ 32V Stare Voltage =-33V ~ 35.5V

2. OUTPUT :

2.1 Output Voltage & Current:

Model	**MIT-06G-2505H**
OUTPUT	+5V
Max. load	5A
Power	25W Max
Min. Load	0.1A
Load reg. %	5%
Line reg. %	1%
Ripple %(1)	1%
Noise %(1)	5%

TOTAL POWER : 25W

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 : 86% min @-48Vin dc

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 auto-recover.

4.2 Operation frequency is 150KHZ

4.3 Isolation Voltage : 1500Vdc

4.4 Isolation Resistance :100M ohms (min)

4.5 Identify Resistance : 25K ohms

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

4.7 Green LED indicates work as 802.3at Model.
RED LED indicates work as 802.3af Model.

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5. GENERAL DESCRIPTION

5.1 Operation Temperature: -40 - +70C

5.2 Storage Temperature: -40 - +85C

5.3 Operation Humidity: 5% - 90% non-condensing

5.4 Cooling: Free air cooling

5.5 SIZE : 85*78*36 (L*W*H)m/m (included bracket)

5.6 DC Power Plug: 2.1Φ (or 2.5Φ)/ 5.5Φ,L= 10+/-0.5mm, 180 degree
Polarity : inside (+), outside (-)

6. CONNECTORS & PINOUT DEFINITION:

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

RJ-45 Input (Data & Power)		
Pin	Symbol	Description
1	BI_DA+, Vin A+/-	Data Pair A+, Feeding power A+/-
2	BI_DA-, Vin A+/-	Data Pair A-, Feeding power A+/-
3	BI_DB+, Vin A+/-	Data Pair B+, Feeding power A+/-
4	BI_DC+, Vin B+/-	Data Pair C+, Feeding power B+/-
5	BI_DC-, Vin B+/-	Data Pair C-, Feeding power B+/-
6	BI_DB-, Vin A+/-	Data Pair B-, Feeding power A+/-
7	BI_DD+, Vin B+/-	Data Pair D+, Feeding power B+/-
8	BI_DD-, Vin B+/-	Data Pair D-, Feeding power B+/-
9	Shield	Connector shielding

6.2 Power Output & Data -Connected to DTE

RJ-45 Output (only Data)		
Pin	Symbol	Description
1	BI_DA+	Data Pair A+
2	BI_DA-	Data Pair A-
3	BI_DB+	Data Pair B+
4	BI_DC+	Data Pair C+
5	BI_DC-	Data Pair C-
6	BI_DB-	Data Pair B-
7	BI_DD+	Data Pair D+
8	BI_DD-	Data Pair D-
9	Shield	Connector shielding

Note : 1. the model is isolated design, the output +/- or input +/- can be shorted to ground (FG).

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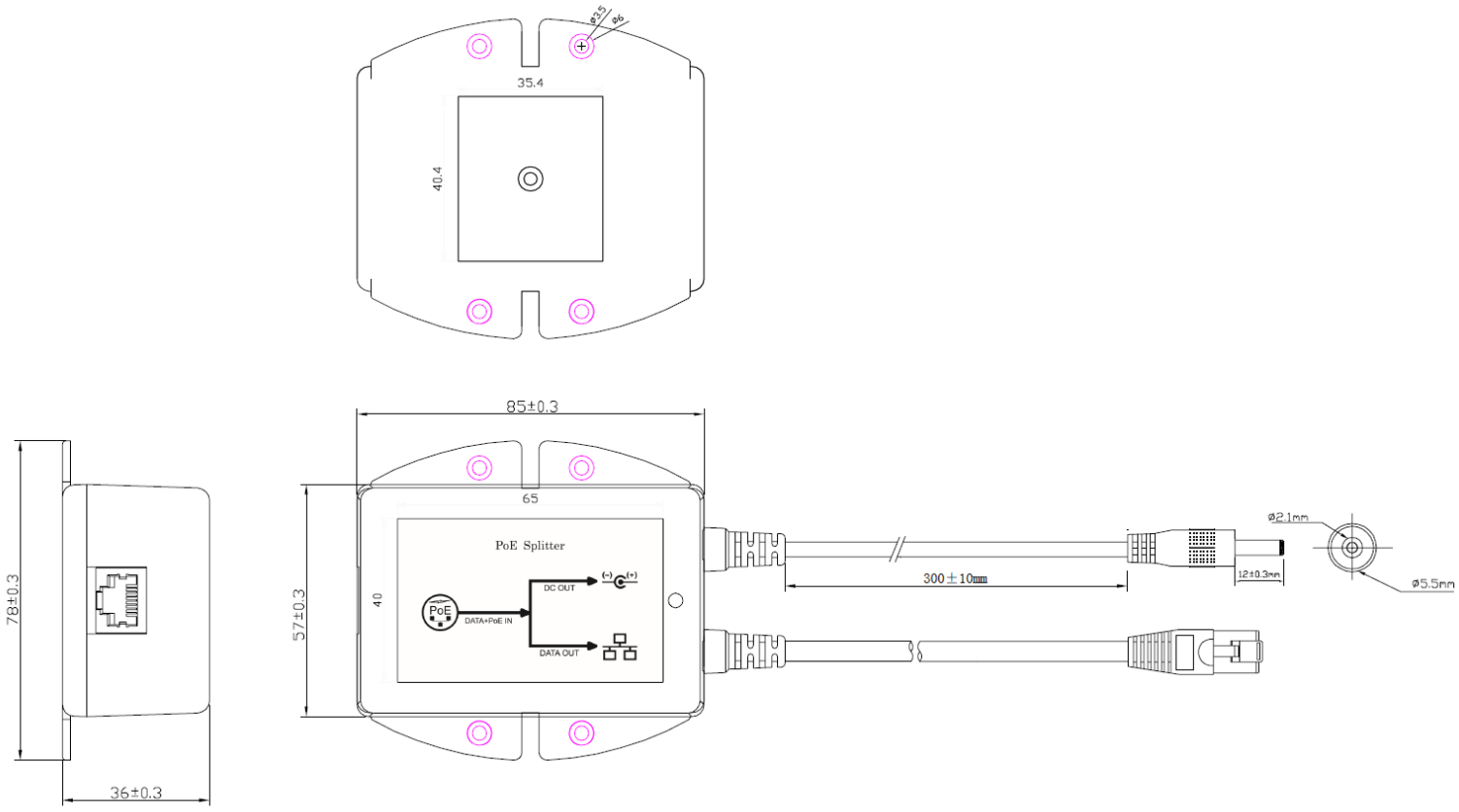
7. E M I Meet FCC Class B Radiation standard

Meet EN55032 Class B Radiation standard