

High Power PoE Splitter

Specification

1 Input

1.1 Input voltage:
DC-36V to DC-60V NORMAL= -48V

1.2 Under Voltage Lockout:
DC -31V Start Voltage = -35V

2 Output

2.1 Output voltage and current:

Model	MIT-10B-2505	MIT-10B-2509	MIT-10B-2512	MIT-10B-2524
OUTPUT	+5V	+9V	+12V	+24V
Max. load	5A	2.78A	2.1A	1.1A
Power	25W Max	25W Max	25W Max	25W Max
Min. Load(2)	0.1A	0.1A	0.1A	0.1A
Load reg. %	5%	5%	5%	5%
Line reg. %	1%	1%	1%	1%
Ripple %(1)	1%	1%	1%	1%
Noise %(1)	5%	5%	5%	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.

Note 2: to match up PSE

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.

Over Load Protection is hiccough mode , auto-recovery.

4.2 Operation frequency is 70KHZ

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)

5. GENERAL DESCRIPTION

5.1 Operation Temperature: -15 - +60 Degree

5.2 Storage Temperature: -40 - +70 Degree

5.3 Operation Humidity: 5% - 90% 45 Degree

5.4 Cooling: Free air cooling

5.5 SIZE : 125*75*38 (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)		
Pin	Symbol	Description
1	RX+, Vin +/-	Data Receive/ Feeding power(+/-)
2	RX-, Vin +/-	Data Receive/ Feeding power(+/-)
3	TX+, Vin +/-	Data Transmit/ Feeding power(+/-)
4	Vin +/-	Feeding power(+/-)
5	Vin +/-	Feeding power(+/-)
6	TX-, Vin +/-	Data Transmit/ Feeding power(+/-)
7	Vin+/-	Feeding power(+/-)
8	Vin+/-	Feeding power(+/-)
9	Shield	Connector shielding

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

RJ-45 Output (only Data)		
Pin	Symbol	Description
1	RX+	Data Receive
2	RX-	Data Receive
3	TX+	Data Transmit
4	NC	NC
5	NC	NC
6	TX-	Data Transmit
7	NC	NC
8	NC	NC
9	Shield	Connector shielding

6.3 DC Power Plug Diameter(DTE) : 5.5mm x 2.5(or 2.1)mm x 12mm

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

Note :

- DC output gnd and Vin+/- should not be shorted to ground(FG).
- Two Power-hub port should not be connected together , in order to prevent ground loops.

7. E M I

Meet FCC Class B Radiation standard
Meet NE55022 Class B Radiation standard

8. Series Model Description :

MIT-10A Meets 802.3af; power to spare pairs P4, 5, 7, 8
MIT-10B Meets 802.3at; power to all P1~P8.

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