



MSTronic Co., Ltd.

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MIT-88G-56D-BT

5G 802.3bt PoE Injector

1. INPUT :

- 1.1 Input Voltage: AC 100V ~ 240V
- 1.2 Input Frequency : 50 /60hz
- 1.3 Input Current: 1.21A at 100Vac @F.L
0.78A at 240Vac
- 1.4 Inrush current: 25A max at 120Vac & 60A max at 230Vac

2. OUTPUT :

2.1 Output Voltage & Current:

OUTPUT	56V
Max. load	1.34A
Power	75W
Min. Load	0A
Load reg. %	5%
Line reg. %	1%
Ripple %	1%
Noise %	2%

TOTAL POWER : 75 W



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. at AC 120V Input @F.L

4. PROTECTION

4.1 Short Circuit Protection

Output Short GND Terminal will not damage the Power Supply will Auto-Recover when Load status going to normally.

4.2 Over Voltage Protection : 59V ~ 65V

4.3 Over Current Limits : PSE Maximum Delivered Power, Per-Port(Table1 & 2)

4.4 LED indicates : JP2

4.5 Hold up time: 6mS min. at maximum load &120Vac Input.



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5.1 EMC: EN55032 Class B, FCC Class B

5.2 SAFETY: EN62368-1

6. GENERAL DESCRIPTION

6.1 Operation Temperature: -40 - +50 °C

6.2 Storage Temperature: -40 - +85 °C

6.3 Operation Humidity: 5% - 90%RH (non-condensing)

6.4 Cooling: Free air cooling

6.5 SIZE 90*118*40mm (L*W*H) DIN rail mountable

7.1 RJ45 pin assignment: @5G BASE

RJ-45 Input (Data Only)			RJ-45 Output (Data & Power)	
Pin	Symbol	Description	Symbol	Description
1	BI_DA+	Data Pair A+	-Vdc +BI_DA+	power(-)+Data Pair A+
2	BI_DA-	Data Pair A-	-Vdc +BI_DA-	power(-)+Data Pair A-
3	BI_DB+	Data Pair B+	+Vdc +BI_DB+	power(+)+Data Pair B+
4	BI_DC+	Data Pair C+	+Vdc + BI_DC+	power(+)+Data Pair C+
5	BI_DC-	Data Pair C-	+Vdc + BI_DC-	power(+)+Data Pair C-
6	BI_DB-	Data Pair B-	+Vdc +BI_DB-	power(+)+Data Pair B-
7	BI_DD+	Data Pair D+	-Vdc + BI_DD+	power(-)+Data Pair D+
8	BI_DD-	Data Pair D-	-Vdc + BI_DD-	power(-)+Data Pair D-
S	Shield	Shield	Shield	Shield

7.2 the input and output RJ45s with metal enclosure for shield, connected to FG.

