

802.3BT Gigabit PoE Splitter

1. INPUT :

1.1 Input Voltage: DC 40V to DC 58V NORMAL= 48V

1.2 Under Voltage Lockout: DC 29.5 ~ 32V

2. OUTPUT :

2.1 Output Voltage & Current:

| Model | 20103207 | 20103208 |
|--------------|----------|----------|
| 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 :520W

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)

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 | BI_DA+ | power(+/-)+Data Pair A+ | BI_DA+ | Data Pair A+ |
| 2 | BI_DA- | power(+/-)+Data Pair A- | BI_DA- | Data Pair A- |
| 3 | 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 | 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_DA+ | Data Pair A+ |

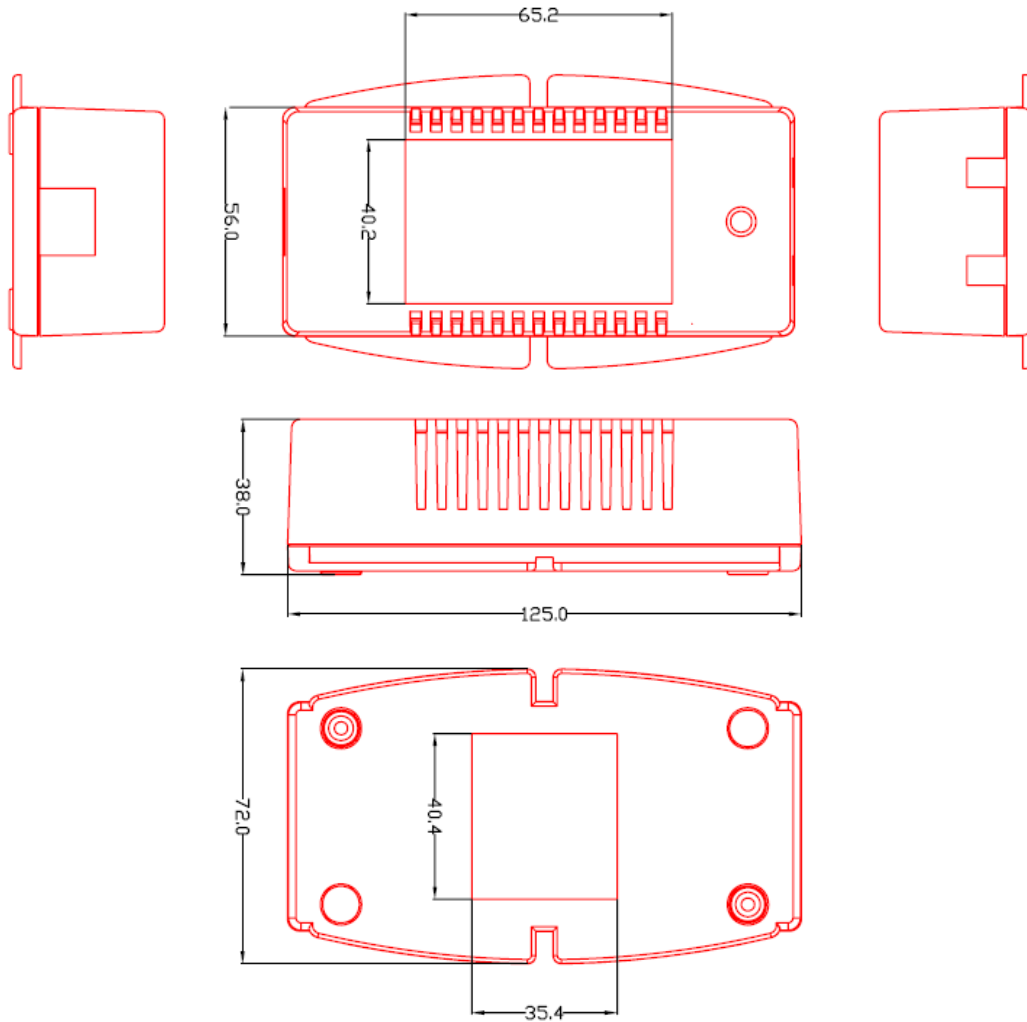
6.2 DC Power Plug Diameter(DTE) : 5.5mm * 2.5(or 2.1)mm * 12mm

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

Note :

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

- 7. E M I Meet FCC Class B Radiation standard
 Meet EN55032 Class B Radiation standard



8. Indicator

GREEN LED = OUTPUT OK.



