



# 4-WAY WIDE BAND POWER DIVIDER MPD010020S4M

## FEATURE

- Operating Frequency:0.5~18GHz
- Stable Performance and High Reliability
- High Isolation
- Low Insertion Loss
- Small Phase&Amplitude Errors
- Operating Temperature:-55~+85°C

## APPLICATIONS

- Communication system
- Radar&Warfare system
- Test Equipment



## ELECTRICAL SPECIFICATIONS@25°C:

| Parameter         | Min | Typical | Max | Units  |
|-------------------|-----|---------|-----|--------|
| Frequency Range   | 1   |         | 2   | GHz    |
| Isolation         | 22  |         |     | dB     |
| Insertion Loss    |     |         | 0.4 | dB     |
| VSWR Input        |     |         | 1.2 | Ratio  |
| VSWR Output       |     |         | 1.2 | Ratio  |
| Phase Balance     |     |         | 3   | degree |
| Amplitude Balance |     |         | 0.3 | dB     |
| Power Average     |     |         | 30  | watt   |

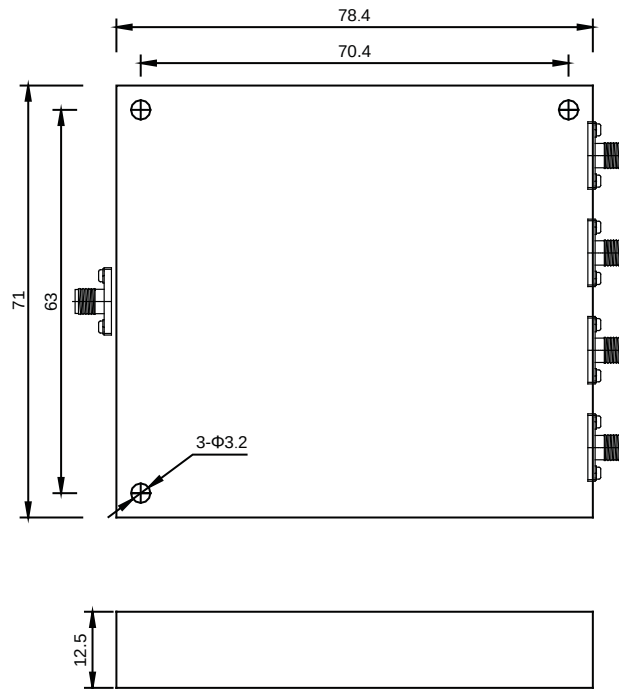
## ENVIRONMENTAL RATINGS:

| Parameter                          | Min   | Typical | Max   | Units |
|------------------------------------|-------|---------|-------|-------|
| Operating Temperature              | -40   |         | +85   | °C    |
| Non-operating Temperature          | -55   |         | 125   | °C    |
| Relative humidity (non-condensing) |       | 95      |       | %     |
| Altitude (MIL-STD-810F)            | 10000 |         | 30000 | feet  |
| Shock / Vibration (MIL-STD-810F)   |       | Airbone |       |       |

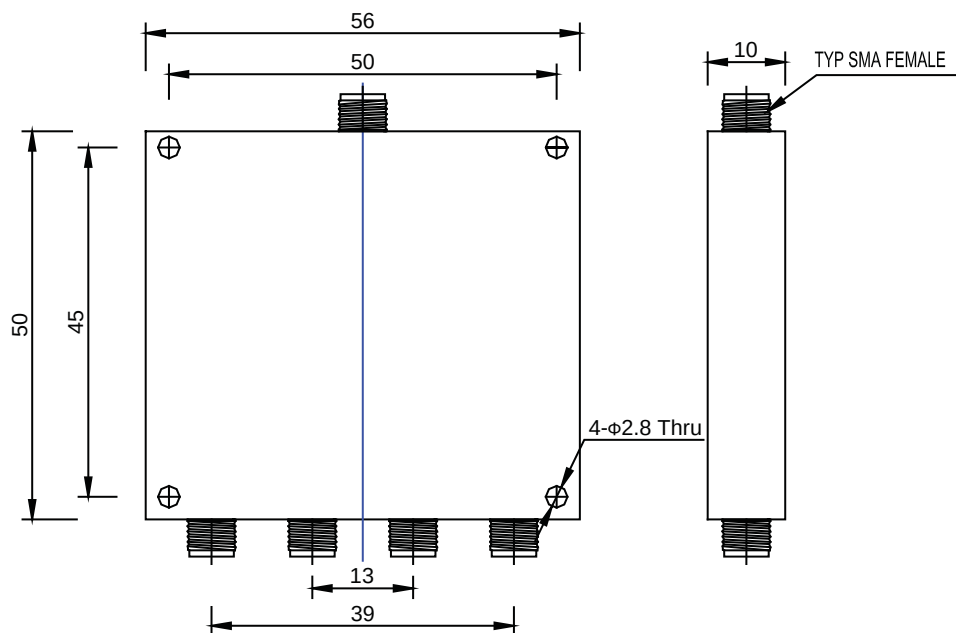
## MECHANICAL SPECIFICATIONS:

| Parameter            | Value        | Limits | Units      |
|----------------------|--------------|--------|------------|
| Dimensions           | 78.4*71*12.5 | Max    | Millimeter |
| Weight               | 50           | Max    | gram       |
| RF Connectors Input  | SMA-F        |        |            |
| RF Connectors output | SMA-F        |        |            |
| Impedance            | 50           |        | ohms       |

### OUTLINE DRAWING(mm):



4D1



4D2