

### FEATURE:

- Solid State,Mixture Integrated
- High Speed,Low Loss,High Isolation Integral with Driver
- Field Removable SMA(F) Connector
- Operating Temperature:-55~+85°C
- Contorl:TTL"0"Loss,TTL"1"Isolation

### APPLICATION:

- Test equipment
- Radar&Warfare system
- Communication system



### ELECTRICAL SPECIFICATIONS@25°C:

| Parameter              | Min | Typical | Max | Units |
|------------------------|-----|---------|-----|-------|
| Frequency Range        | 12  |         | 18  | GHz   |
| Insertion Loss         |     |         | 2.2 | dB    |
| Isolation              | 28  |         |     | dB    |
| VSWR                   |     |         | 1.8 | Ratio |
| Switching Speed        |     | 100     |     | ns    |
| Power handling average |     | 10      |     | watt  |
| DC Power supply +5V    |     | 200     |     | mA    |
| DC Power supply -10V   |     | 40      |     | mA    |

Note:Power handling Peak:100W min

### 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:

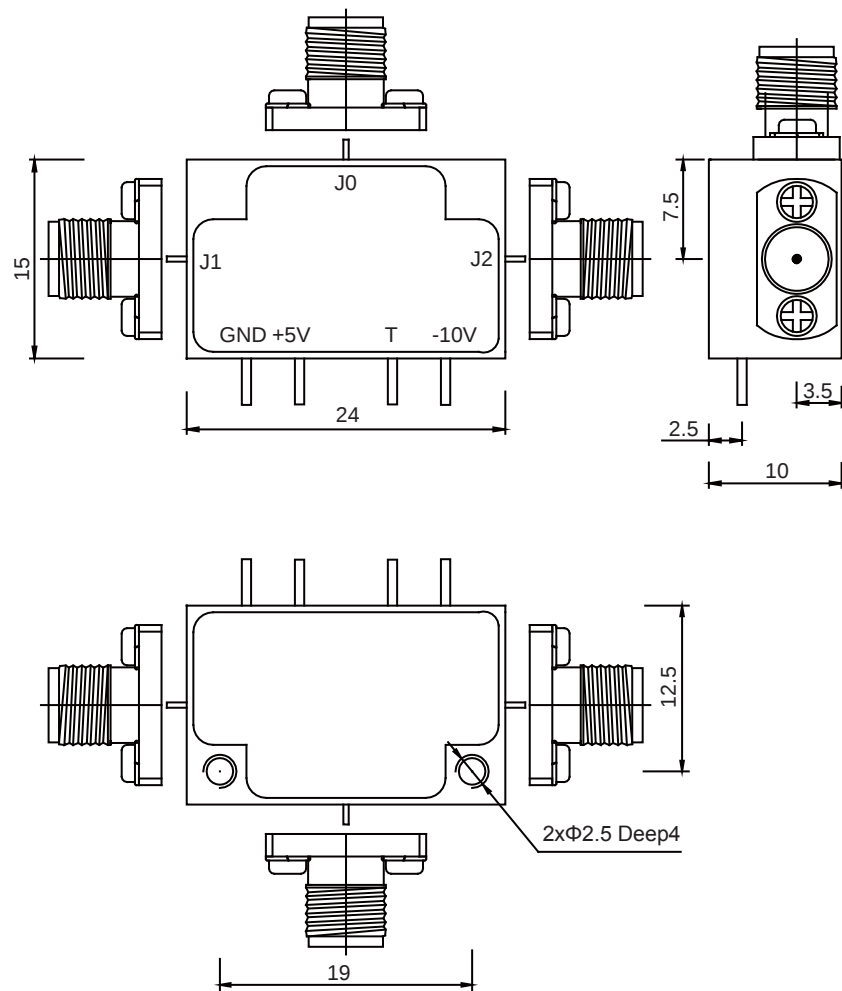
| Parameter            | Value    | Limits | Units      |
|----------------------|----------|--------|------------|
| Dimensions           | 24*15*10 | Max    | Millimeter |
| Weight               | 50       | Max    | gram       |
| RF Connectors Input  | SMA-F    |        |            |
| RF Connectors output | SMA-F    |        |            |
| Impedance            | 50       |        | ohms       |

### TTL CONTROL LOGIC

TTL 0 (low) (0 to 0.8 V) :J0-J1

TTL 1 (high) (2.4 to 4.7 V) :J0-J2

### OUTLINE DRAWING(mm):



DW3