

**SPECIFICATIONS**

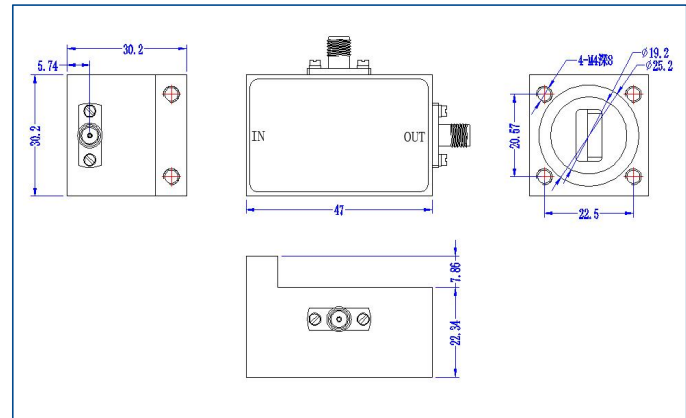
|                     |               |
|---------------------|---------------|
| Frequency Range:    | 17.7~21.2 GHz |
| Gain                | 60dB min.     |
| Gain Flatness       | ±2.0dB max.   |
| Noise Figure        | 1.7dB max.    |
| VSWR                | 2.0 max.      |
| Output Power(P-1dB) | 10dBm min.    |
| Impedance           | 50Ω           |
| Supply Voltage      | +12V          |
| Supply Current      | 300mA         |
| Operating Temp.     | -40°C~+85°C   |
| Input Connector     | SMA Female    |
| Output Connector    | WR51          |



**50 Ohm Typical Characteristics**

| Freq. (GHz) | VSWR (S11) | VSWR (S22) | Small-Signal Gain (S21) | @1dB Compression (S21) | Noise Figure |
|-------------|------------|------------|-------------------------|------------------------|--------------|
| Unit        | :1         | :1         | dB                      | dBm                    | dB           |
| 17.70       | 1.42       | 1.18       | 67.64                   | 12.55                  | 1.34         |
| 17.95       | 1.45       | 1.28       | 66.94                   | 12.20                  | 1.28         |
| 18.20       | 1.42       | 1.35       | 68.47                   | 11.92                  | 1.51         |
| 18.45       | 1.37       | 1.24       | 68.08                   | 11.40                  | 1.56         |
| 18.70       | 1.41       | 1.21       | 67.22                   | 11.77                  | 1.47         |
| 18.95       | 1.53       | 1.20       | 67.00                   | 11.80                  | 1.41         |
| 19.20       | 1.63       | 1.21       | 67.22                   | 11.91                  | 1.51         |
| 19.45       | 1.59       | 1.35       | 66.76                   | 11.55                  | 1.61         |
| 19.70       | 1.52       | 1.46       | 66.58                   | 11.75                  | 1.54         |
| 19.95       | 1.46       | 1.42       | 66.97                   | 11.60                  | 1.46         |
| 20.20       | 1.52       | 1.39       | 66.81                   | 12.40                  | 1.46         |
| 20.45       | 1.68       | 1.36       | 66.13                   | 11.90                  | 1.62         |
| 20.70       | 1.80       | 1.43       | 65.81                   | 11.34                  | 1.61         |
| 20.95       | 1.86       | 1.39       | 65.83                   | 12.20                  | 1.56         |
| 21.20       | 1.88       | 1.51       | 65.43                   | 12.46                  | 1.61         |

**Dimensions[mm]**



Typical Performance Curve

