

SPECIFICATIONS

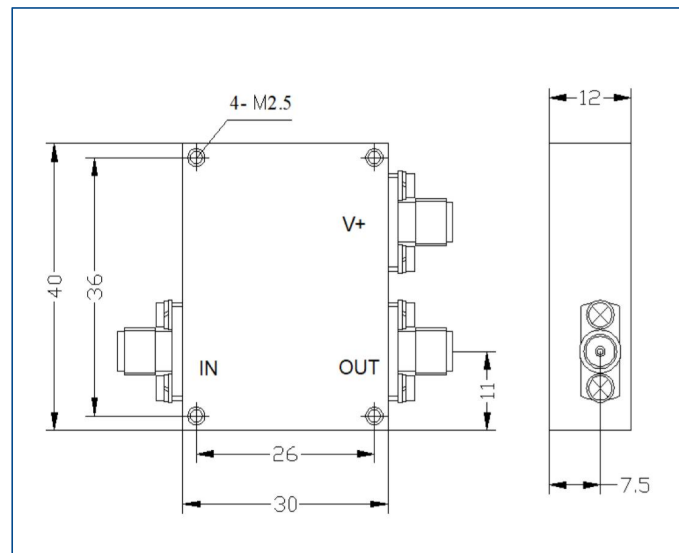
| | |
|-----------------------|-----------------------|
| Frequency Range: | 40000~50000 MHz |
| Gain | 50dB typ. |
| Gain Flatness | ±3dB max. / ±2dB typ. |
| Noise Figure | 4dB typ. / 5dB max. |
| VSWR | 2.5 max. / 2 typ. |
| Output Power(P-1dB) | 12dBm min. |
| Impedance | 50Ω |
| Supply Voltage | +12V (SSMA female) |
| Supply Current | 500mA |
| Operating Temp. | -40°C~+85°C |
| Input Port Connectors | 2.4mm Male |



Typical Performances

| Freq. (GHz) | VSWR (S11) | VSWR (S22) | Small-Signal Gain (S21) | @1dB Compression (S21) | Noise Figure (@25°C) |
|-------------|------------|------------|-------------------------|------------------------|----------------------|
| Unit | dB | dB | dB | dBm | dB |
| 38 | 1.56 | 1.1 | 51.73 | 13.5 | 3.67 |
| 39 | 1.5 | 1.43 | 52.72 | 13 | 3.38 |
| 40 | 1.35 | 1.43 | 53.67 | 12.4 | 3.37 |
| 41 | 1.45 | 1.17 | 54.37 | 15.2 | 3.16 |
| 42 | 1.51 | 1.38 | 55.15 | 13.5 | 3.21 |
| 43 | 1.53 | 1.5 | 53.76 | 15.8 | 3.31 |
| 44 | 1.54 | 1.48 | 51.41 | 13.3 | 3.5 |
| 45 | 1.79 | 1.51 | 50.51 | 14.1 | 3.73 |
| 46 | 1.73 | 1.53 | 50.18 | 14.7 | 3.41 |
| 47 | 1.29 | 1.37 | 50.48 | 13.8 | 3.03 |
| 48 | 1.17 | 1.23 | 47.5 | 13.8 | 3.21 |
| 49 | 1.21 | 1.27 | 50.13 | 14 | 3.82 |
| 50 | 1.58 | 1.35 | 50.24 | 14.4 | 4.2 |

Dimensions[mm]



50 Ohm Typical Characteristics

