

**FEATURES :**

- Frequency range 1100-1700MHz
- Gain 50dB
- Output power at 1dB compression 18dBm
- Noise figure 0.8dB
- Biasing Through Output Port

**SPECIFICATIONS @+25°C**

|                            |               |
|----------------------------|---------------|
| Frequency range, [MHz]     | 1100-1700     |
| Gain [dB], min.            | 50            |
| Noise figure [dB], max.    | 0.8           |
| Output 1dB c.p. [dBm] min. | 18            |
| Gain flatness [dB], max.   | ±1.0          |
| VSWR, IN/OUT max.          | 2.0:1 / 2.0:1 |

**Operating Characteristics**

|   |            |
|---|------------|
| Supply voltage, [V] (to be supplied thru RF-Out port) | +5         |
| Supply current, [mA] max.                             | 160        |
| Impedance, Input / Output [Ohm]                       | 50         |
| Operating temperature, [°C]                           | -20 to +70 |

**Absolute maximum Ratings**

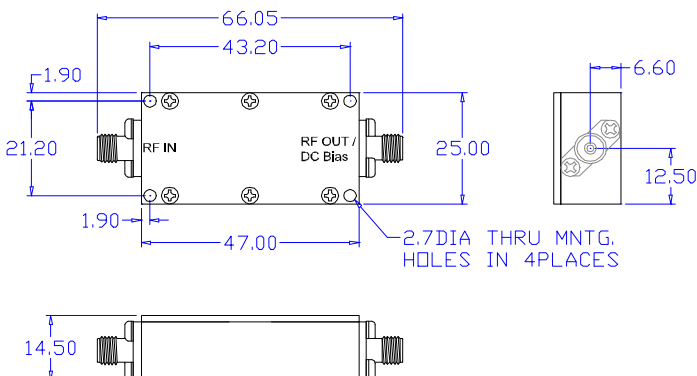
|                           |             |
|---------------------------|-------------|
| RF input power, CW [dBm]  | +20         |
| Supply voltage, [V]       | 0 to +6     |
| Storage temperature, [°C] | -55 to +150 |

**Ordering information**

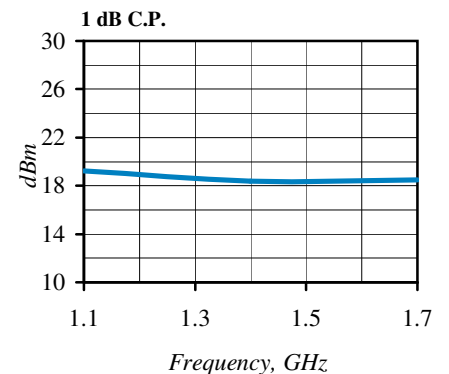
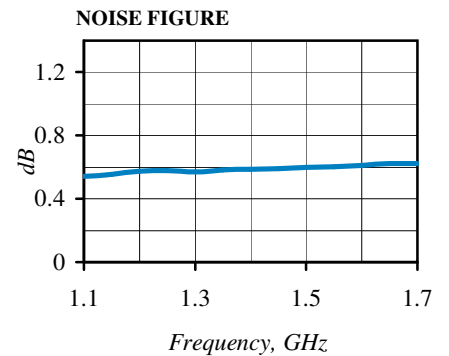
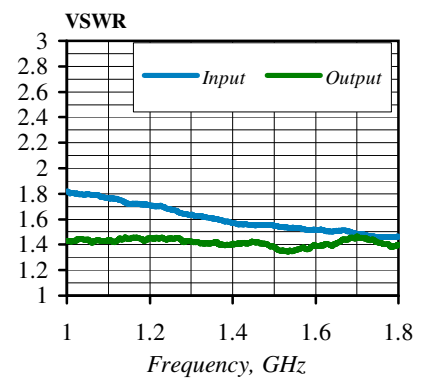
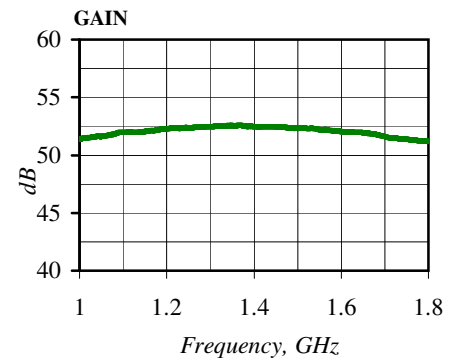
|                  |                          |
|------------------|--------------------------|
| <b>Model No.</b> | <b>Connectors In/Out</b> |
| AL1100-1700-18   | SMA-female               |

|                           |                             |
|---------------------------|-----------------------------|
| <b>Housing material</b>   | Aluminium                   |
| <b>Surface treatment</b>  | Nickel plated               |
| <b>Connector material</b> | Stainless Steel, passivated |

**Outline drawing** dimensions in mm



Typical performance



Specifications Subject To Change Without Notice  
Rev. C 29.06.2024

