



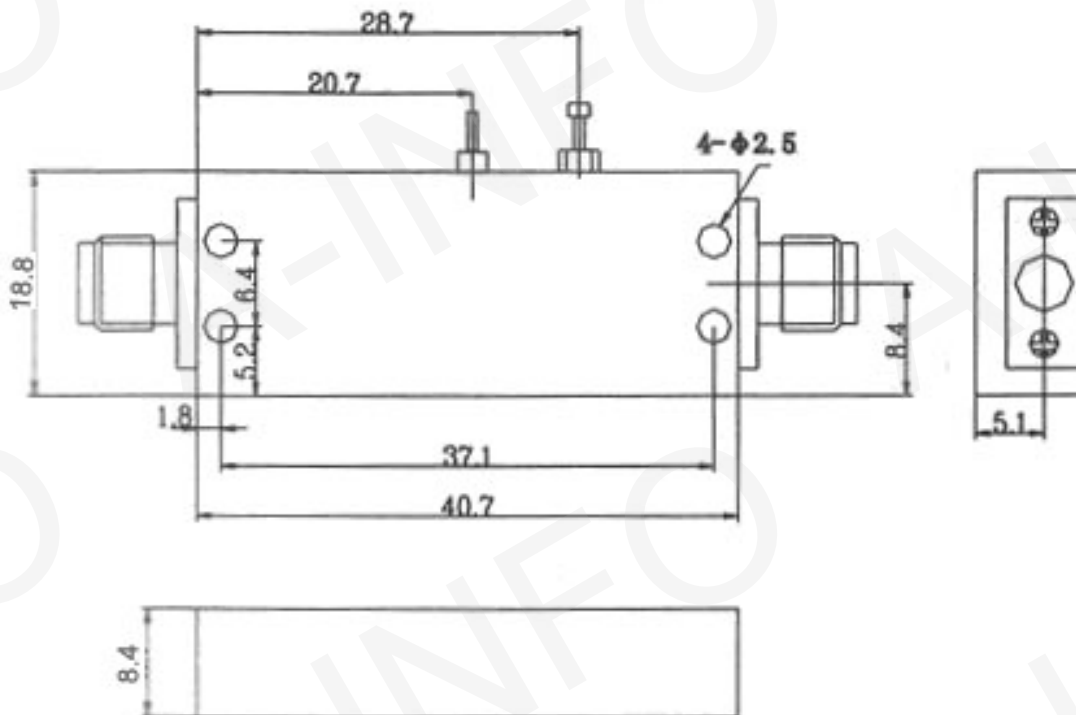
Test report is for referenece only.

**TEST REPORT**  
**for**  
**JXWBLA-T-12000-18000-18**

**JXWBLA-T-12000-18000-18**  
**12~18GHz Low Noise Amplifier**

<b>Frequency Range(GHz)</b>	12 - 18
<b>Gain(dB)</b>	18 min
<b>Gain Flatness(dB)</b>	±1.5 max
<b>Pout@1dB(dBm)</b>	+22 min
<b>Noise Figure(dB)</b>	4.0 max
<b>Input VSWR</b>	2.0:1 max
<b>Output VSWR</b>	2.0:1 max
<b>IP3(dBm)</b>	+32 Typ.
<b>Power Supply(V/mA)</b>	+15 DC/ 550 max
<b>Connector</b>	SMA-Female
<b>Operating Temperature(°C)</b>	-45 ~ +70
<b>Storage Temperature(°C)</b>	-55 ~ +80

**Outline Drawing (Size: mm)**



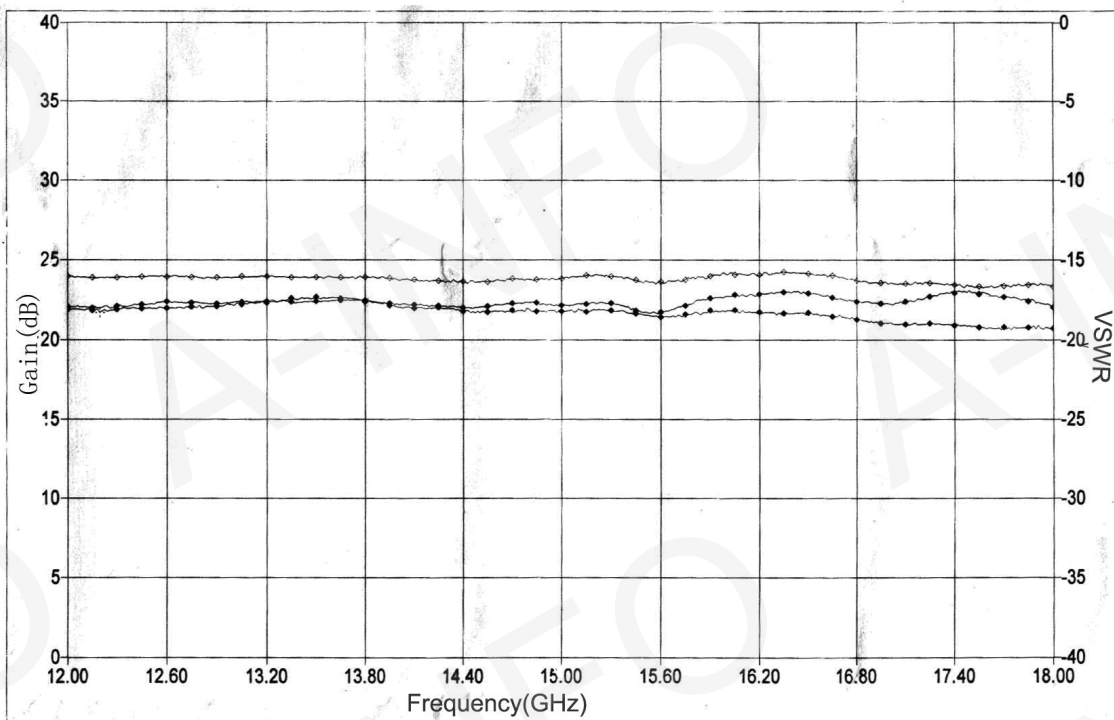
### Test Instruments

- HP8350B
- HP8756A
- HP8562A
- HP8970B
- HP8971C

### Test Results

Frequency(GHz)	12.00	14.00	15.00	17.00	18.00
Pout@1dB(dBm)	23.50	22.60	22.60	22.50	22.80
Noise Figure(dB)	2.80	3.10	3.20	3.40	3.40
Return Loss(dB)	Please refer to curve				
Operating Temperature(°C)	-45 ~ +70				
Storage Temperature(°C)	-55 ~ +80				
Power Supply(V/mA)	+15/320				

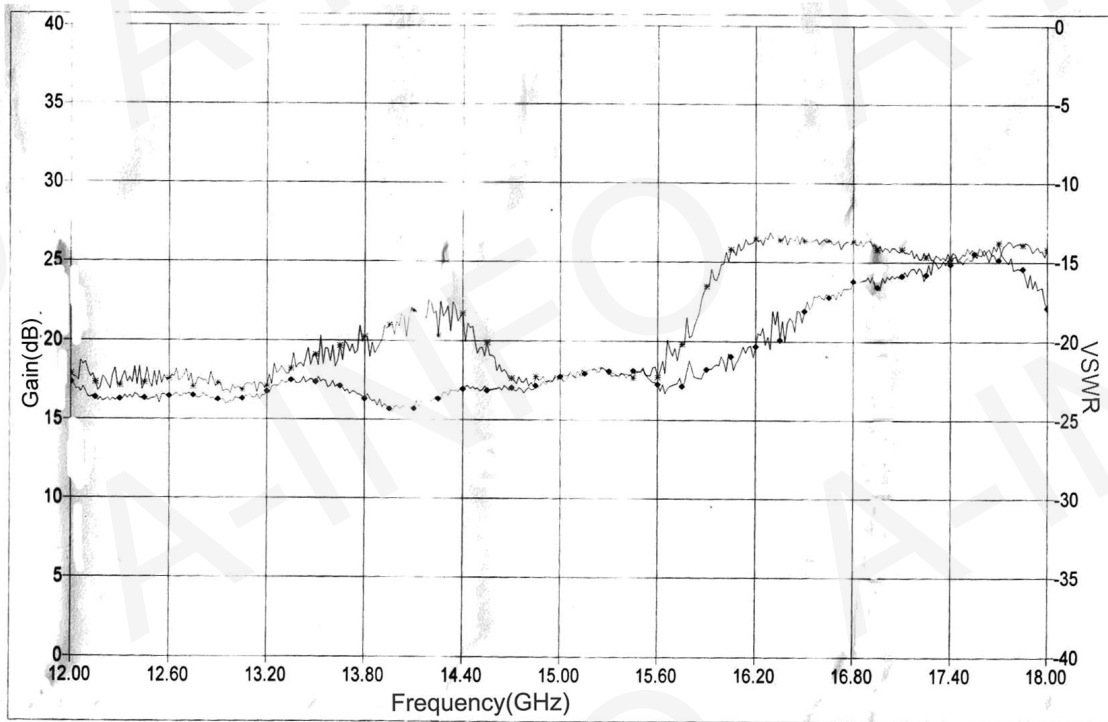
### 1. Gain



Frequency(GHz)	12.00	13.00	14.00	15.00	16.00	17.00	18.00
Gain(dB)	22.08	22.33	22.25	22.17	22.70	22.29	22.04

	Frequency(GHz)	Gain(dB)
Max Gain(dB)	17.49	23.09
Min Gain(dB)	15.58	21.64
Gain Flatness(dB)	1.44	

2. VSWR



Frequency(GHz)	12.00	13.00	14.00	15.00	16.00	17.00	18.00
VSWR	-22.10	-22.85	-18.82	-22.30	-15.14	-14.07	-14.19