

Ku-Band Receiver



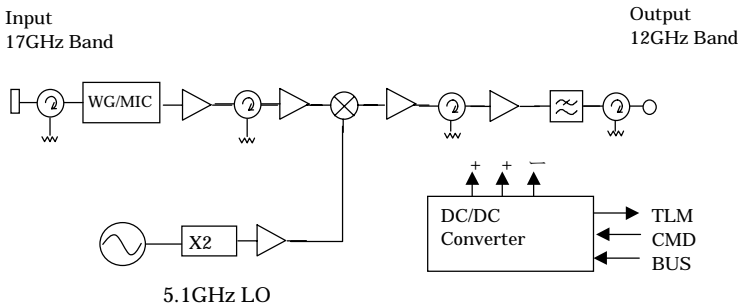
Features

- 12GHz band MMIC amplifier
- Low Noise Figure (3dB) and High Gain (58.8dB)

Heritage

- TEMPO
- PIONEER
- ECHOSTAR-8

Block Diagram



Performance Summary

<u>Items</u>	<u>Description</u>	<u>Remarks</u>
Operataing Frequency Band		
Input	17GHz	
Output	12GHz	
Local Frequency	5.1 GHz	
Gain	58.8 dB	
Gain Stability	2.2 dBp-p	Life, Temperature, Bus Voltage
Gain Flatness	≤ 0.4 dB/26MHz	
Input Power	- 48 dBm Max.	
Noise Figure	≤ 3.0 dB	
IM3	≥ 30 dBc	at Pin = -49 dBm/Carrier
Group Delay	< 0.8 ns p-p	
DC Power	≤ 12W	
Dimension	242X154X74 (mm)	
Mass	1.45 kg	