

C-Band Low Noise Amplifier



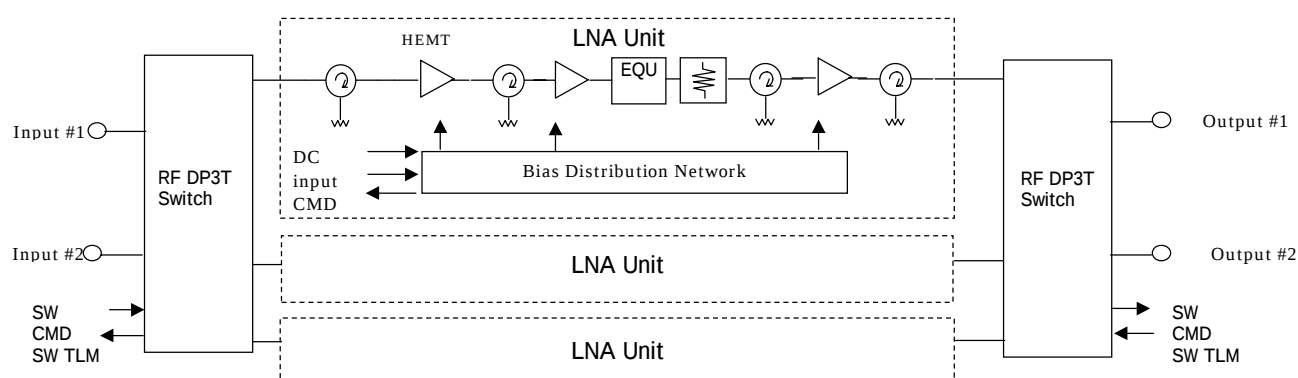
Features

- 3/2 redundancy configuration with 3 LNA and 2 RF switches
- Low Noise Figure by in-house super low noise HEMT
- High Gain by in-house MMIC amplifiers

Heritage

- Globalstar

Block Diagram



Performance Summary

<u>Items</u>	<u>Description</u>	<u>Remarks</u>
Operating Frequency Band (GHz)	5	
Noise Figure (dB)	2.2	Over temperature
Gain (dB)	60	
Gain Stability (dBp-p)	≤ 1.5	Over temperature
Input Power (dBm)	-104 to -64	
Over Drive Input Level (dBm)	-45	For 24 hours
C/3IM (dBc)	> 50	Pin -69dBm/carrier
Group Delay (ns p-p)	≤ 5	
DC Power Consumption (W)	3.4	DC Input +8.5V / -8.7V
Dimension (mm)	252X118X86	
Mass (kg)	1.3	