

Ku-Band Beacon Transmitter



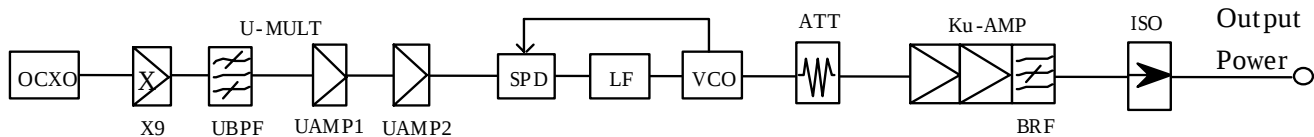
Features

- Output Power of 23dBm min.
- High Frequency Stability Using PLL Technology (less than 1.0PPM over AT) with OCXO
- Power Consumption of 8.0W max
- Vertical Structure

Heritage

- N-Star A
- N-Star B
- Superbird-C
- Superbird-4

Block Diagram



Performance Summary

Items	Description	Remarks
Operating Frequency Range	11 - 13 GHz	Pointing Frequency Signal
Output Power	> 23dBm	
Frequency Stability over AT	< 1.0 PPM	
Frequency Stability over Life	< 4.0 PPM	
Spurious	< -60dBc	
Harmonics	< -35dBc	
Phase Noise	< -40dBc @10Hz offset < -70dBc @100Hz offset < -85dBc @1KHz offset	
Power Consumption	< 8.0W	
Dimension (in mm)	156 x 202 x 66	
Weight	< 1.3Kg	