

# X-Band Beacon Transmitter



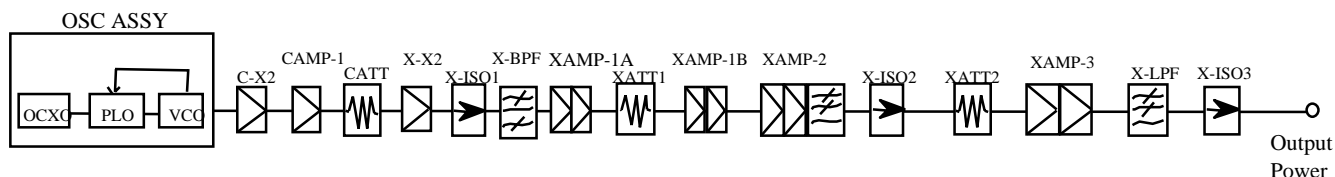
## Features

- Output Power of 32.5dBm min.
- High Frequency Stability Using PLL Technology (less than 0.5PPM over AT)
- Low Phase Noise Using OCXO
- Low Power Consumption of 15W max

## Heritage

- Superbird-C
- Superbird-4
- Eurasiasat
- NSAT-110
- Optus-C1

## Block Diagram



## Performance Summary

<u>Items</u>	<u>Description</u>	<u>Remarks</u>
Operating Frequency Range	7 - 8 GHz	Pointing Frequency Signal
Output Power	> 32.5dBm	
Frequency Stability over AT	< 0.5 PPM	
Frequency Stability over Life	< 2PPM	
Spurious	< -60dBc	
Harmonics	< -70dBc	
Phase Noise	< -60dBc @ 10Hz offset < -85dBc @ 100Hz offset < -90dBc @ 1KHz offset	
Power Consumption	< 15.0W	
Dimension (in mm)	166 x 216 x 63	
Weight	< 1.5Kg	