

X-Band Beacon Transmitter



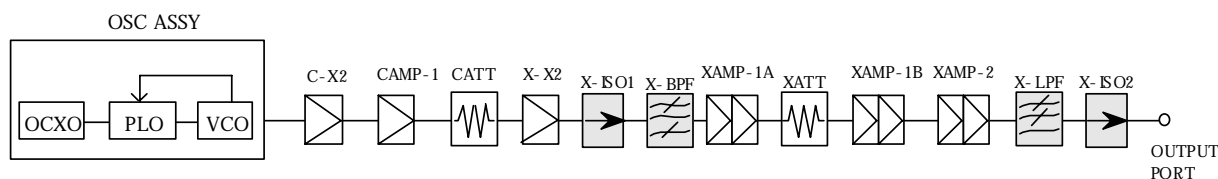
Features

- Output Power of 20dBm min.
- High Frequency Stability Using PLL Technology (less than 0.5PPM over AT)
- Low Noise Phase Noise Using OCXO
- Low Power Consumption of 7W max

Heritage

- Superbird-4
- Superbird-C
- Eurasiasat

Block Diagram



Performance Summary

<u>Items</u>	<u>Description</u>	<u>Remarks</u>
Operating Frequency Range Output Power Frequency Stability over AT Frequency Stability over Life Spurious Harmonics Phase Noise Power Consumption Dimension (in mm) Weight	7 - 8 GHz > 20dBm < 0.5 PPM < 2PPM < -60dBc < -70dBc < -60dBc @10Hz offset < -85dBc @100Hz offset < -90dBc @1KHz offset < 7.0W 76 x 78 x 27 < 1Kg	Pointing Frequency Signal