

W-Band Transmitter Module: 92 - 96 GHz

Product Overview

Celtonn's WB-TX-9296MP is a medium power Heterodyned Transmitter, nominally works from 92-96GHz but can be customized to work in most of the W-Band Frequencies.

Features and Benefits

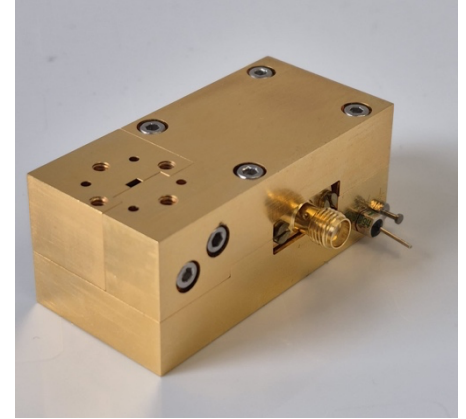
- Nominal output power of 15dBm can be increased currently to 23dBm
- RF connection is through WR10 waveguide.
- Module can be operated with either 10.5-11.5GHz or 21-23GHz.

Applications:

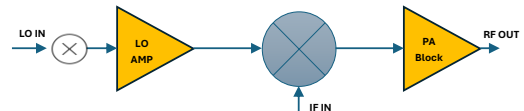
- This integrated Transmitter can be used with WB-RX-9296MP in a RF front end for broadband space to space, air to air and ground to air communications using a synthesised source.
- The WB-TX-9296MP can also be used in mmWave Radar systems.

Option:

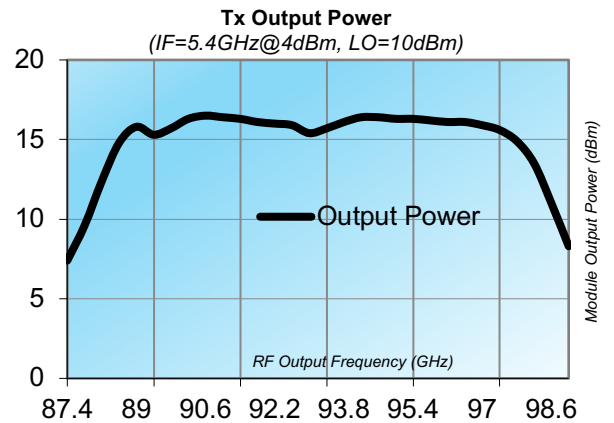
1. Output Power increase to +23dBm.
2. Integrated LO synthesised source for communication applications.



Block Diagram



Performance Sample



Performance Overview

Spec	Min	Typ	Max	Unit
RF Output	91		97	GHz
RF Input	1		7	GHz
LO GHz	10.5/21		11.5/23	GHz
LO Power	10	12	18	dBm
O/P Power P1dB		15		dBm
Gain		14		dB
Voltage		5	7	V
Current		750		mA