

GT-E-DNC-7681

Bench-Top E Band Down-Converter

At a Glance

GT-E-DNC-7681 is E-band down-converter with RF frequency range 76-81GHz. There is 73GHz fixed LO inside for easy use.

The down-converter can be used for NF test and general receiver application. The RF Port is with standard WR-12.

LO port and IF port are SMA Female



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Product Overview

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Advantages Application



Noise Figure Test

Gain:20dB | Noise Figure Test



5G Communication

IF: 3-8GHz | 5G Communication



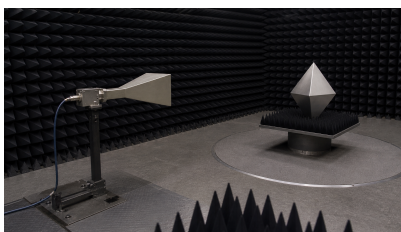
ROF (RF Over Fiber)

Bench-Top Labs Test | ROF (RF Over Fiber)



Radar System

Radar System

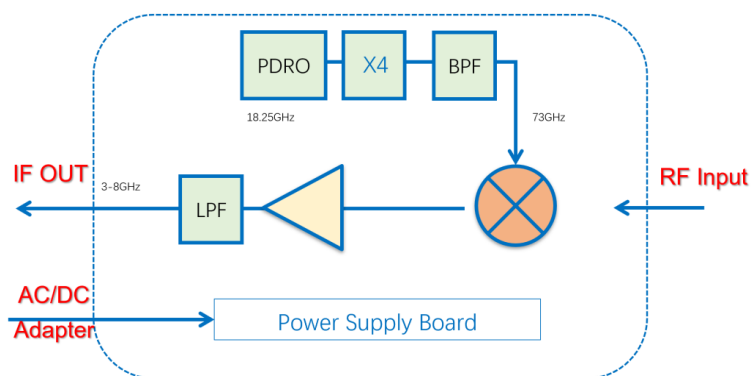


RCS Test

RCS Test

Diagram Block:

Integrated with LO



Key Features

Parameter	Source column / value
RF Frequency	Typical: 76-81GHz
LO inside	Typical: 73GHz
Mixer Type	Typical: Fundamental Mixer
IF Frequency	Typical: 3-8GHz
RF-IF Gain	Typical: 20dB
RF Input P1dB	Typical: +5dBm
RF Damage Input Level	Max: +13dBm
Power Supply (With AC/DC Adapter)	Min: +90V Typical: +220V Max: +240V
Spec Temp	Typical: 25C

Mechanical Information:

Parameter	Value
RF Port	WR-12 Waveguide with UG-387/U Flange
LO Port	SMA Female
IF Port	SMA Female
DC Bias	+12V Supply, AC to DC Power Converter included
DC Bias Switch	ON-OFF switch with light indicator
Dimension	See outline

Absolute Maximum Ratings Table

Parameter	Value
AC Supply	+260V
RF Input Power	+13dBm
Operating Temperature	0 to 50 C
Storage Temperature	-45 to +85C

Notes:

1. Datasheet may be changed according to update of MMIC, Raw materials, process, and so on.
2. This data is only for reference, not for guaranteed specifications.

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Specifications are subject to change without notice.