

V-Band VNA Frequency Transmit Extender 50-75GHz /WR-15

Model: TLTE-5075-15

TLTE-5075-15 frequency extenders are a dedicated Test & Measurement solution for extending the range of your Vector Network Analyzer (VNA) to 50-75 GHz.

Features:

- Ultra Wide Band: 50-75 GHz
- Port Output Power (No Attenuation): 15 dBm Typ
- Dynamic Range @ 10 Hz BW: 135dB Typ
- Unconditional stability

Applications:

- VNA Frequency Extension
- Antenna measurements
- Material characterisation

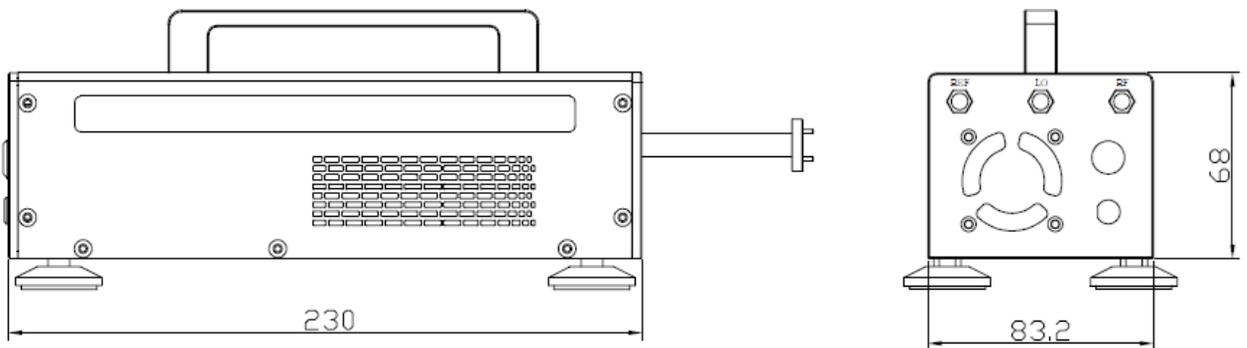
Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency range	50		75	GHz
Test Port Output Power		15		dBm
Magnitude Stability @ 300 Hz BW		±0.1		dB
Dynamic Range @ 10Hz BW	110	135		dB
RF Input Frequency	12.5		18.75	GHz
RF Input Power	3	7	10	dBm
RF Multiplication Factor		4		
LO Input Frequency	12.5		18.75	GHz
LO Input Power	3	7	10	dBm
LO Multiplication Factor		4		
IF Frequency Range	1		1000	MHz

Absolute Maximum Ratings :

Description	Parameter	Units
Test Port Input Power	+20	dBm
RF/LO Port Damage Level	+10	dBm
ESD sensitivity (HBm)	Class 0, passed 150V	
Supply Bias AC Voltage	240	V

Outline Drawing: Unit:mm



Block Diagrams:

Environmental And Physical Characteristics:

Description	Parameter	Units
Operating Temperature	0 To +45	°C
Storage Temperature	-55 to +125	°C
Material	Al	
Finish	Gray spray paint	
Size	230*68*83.2	mm

Connector Information:

Parameter	Value
RF Input Connector	SMA Female
LO Input Connector	SMA Female
IF Output Connector	SMA Female
Test Port Connector	WR-15/UG-385/U
Power Supply Pin	FGG 0B 4 Core

Ordering Information:

Part Number	Description	Revision
TLTE-5075-15	Transmit Extender, 50-75 GHz, Output Power: 15dBm typ, Dynamic Range:135 dB typ.	Rev.1.1

Components Included:

Part Number	Description	Quantity
TLACTDC-22012	AC-to-DC Power Adapter	1 PCS