Waveguide Fixed Attenuator
33-50GHz

Features

- Full band operation
- Low VSWR
- Rugged mechanical configuration

Typical Applications

- Transceivers
- Test setups
- Instrumentation
- Subsystems

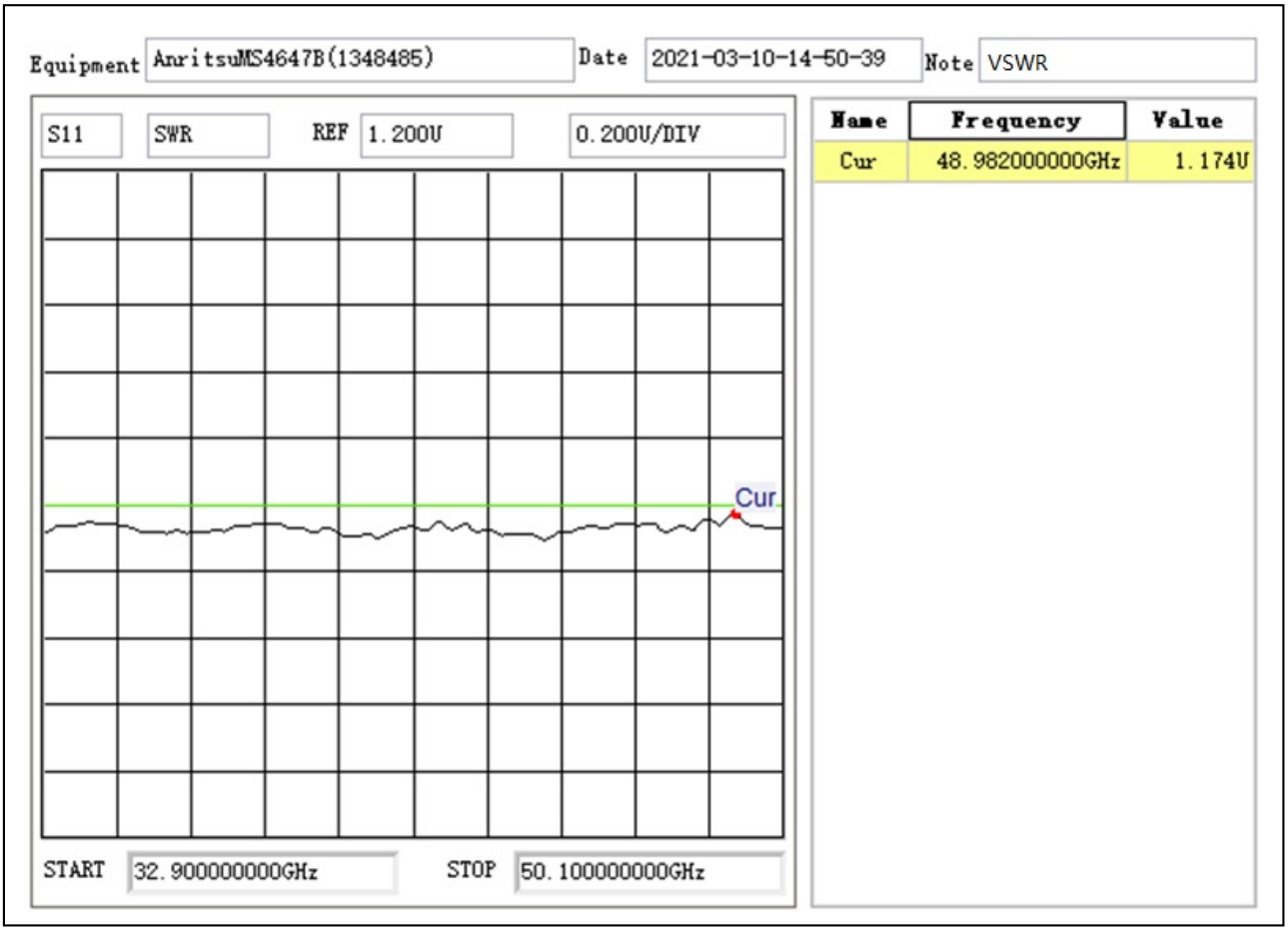
Electrical Specifications, TA=25°C

Parameters	Min	Typ	Max	Units
FREQ RANGE	33		50	GHz
VSWR			1.25	
Attenuation	30±1			dB
Average Power	600			W
Waveguide	WR22			
Flange Type	COVER			
Material	Copper and Aluminum			
Weight	7.55			kg

Reliability Test Matrix

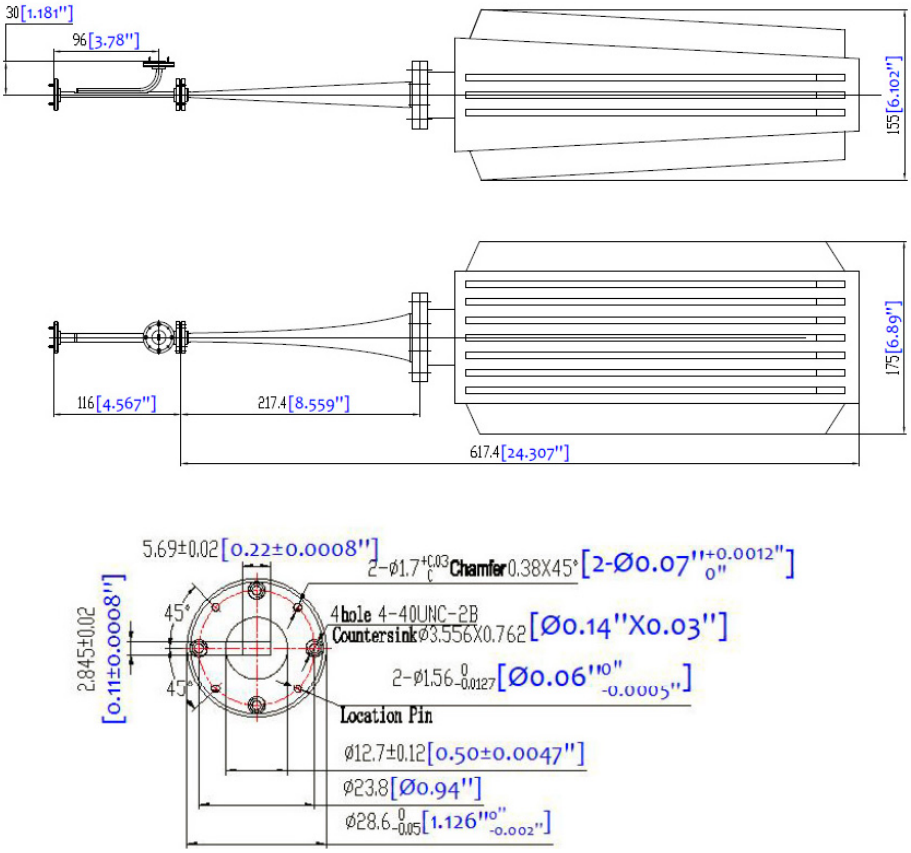
Parameter	Description
Operational Temperature	-40°C~+85°C (Case Temperature)
Storage Temperature	-50°C~+105°C
Thermal Shock	-40°C~+85°C (5 cycles/ 10 hours)
Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +85°C for 72 Hours
Shock	1.Weight>20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2.Weight≤20g, 100g half sine wave for 6ms, Speed variation 3.75m/s 3.Total 18 times (6 directions, 3 repetitions per direction.)
Altitude	Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 Ft 1.0 PSI min)

VSWR:


Equipment AnritsuMS4647B(1348485)
Date 2021-03-10-14-50-39
Note VSWR
S11
SWR
REF 1.200U
0.200U/DIV
Cur
START 32.900000000GHz
STOP 50.100000000GHz
Name
Frequency
Value
Cur
48.982000000GHz
1.174U

Outline Drawing:

All Dimensions in mm [inches]



The tolerance noted is just for reference

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