Waveguide to Coaxial Adapter 14.5-22GHz

Features

- Full band operation
- Low VSWR
- Rugged mechanical configuration

Typical Applications

- Transceivers
- Test setups
- Instrumentation
- Subsystems

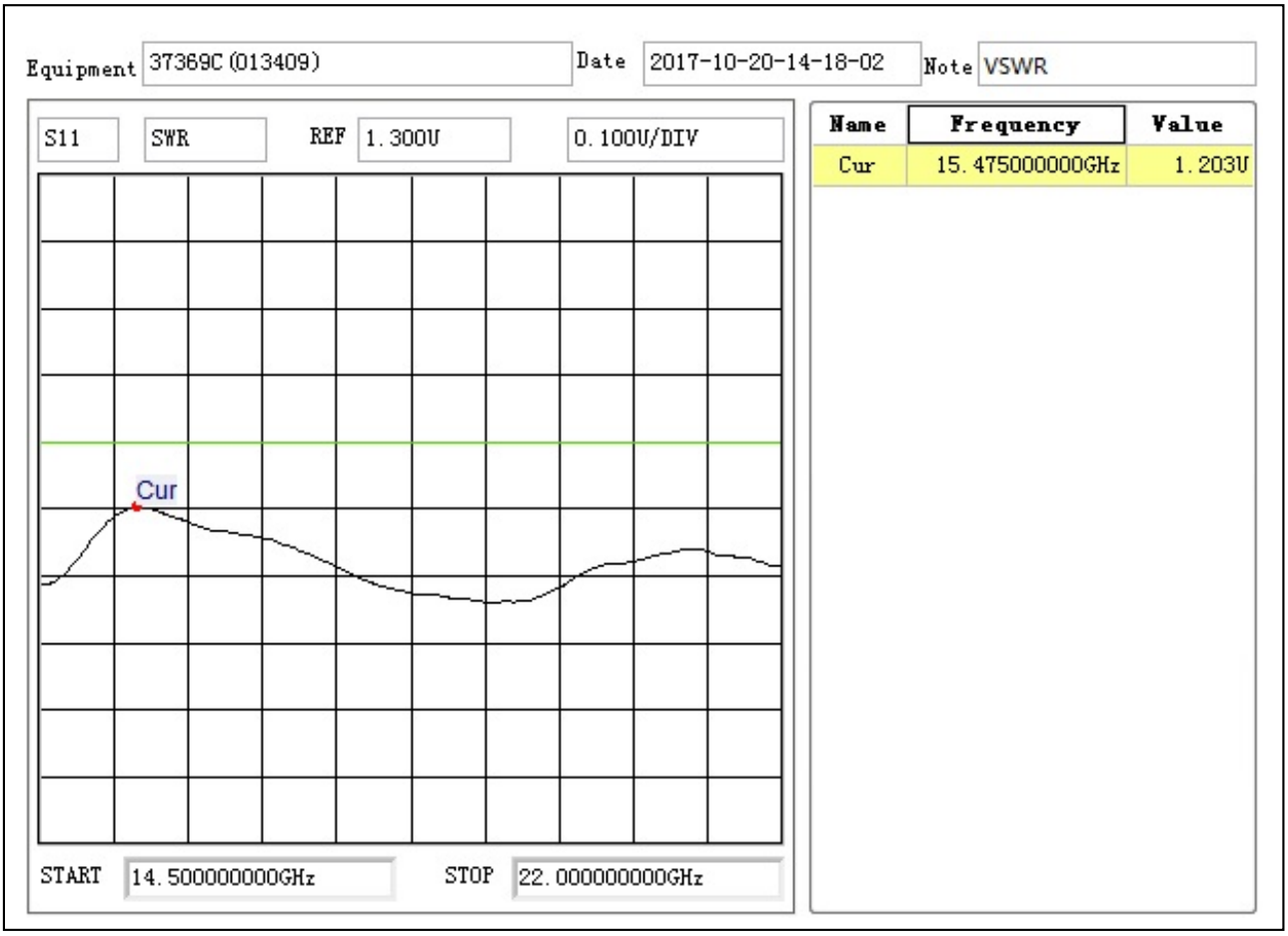
Electrical Specifications, TA=25°C

Parameters	Min	Typ	Max	Units
FREQ RANGE	14.5		22	GHz
VSWR			1.25	
Insertion Loss	0.3			dB
Waveguide	WR51			
Flange Type	Cover			
Average Power	50			W
Weight	0.045			kg

Reliability Test Matrix

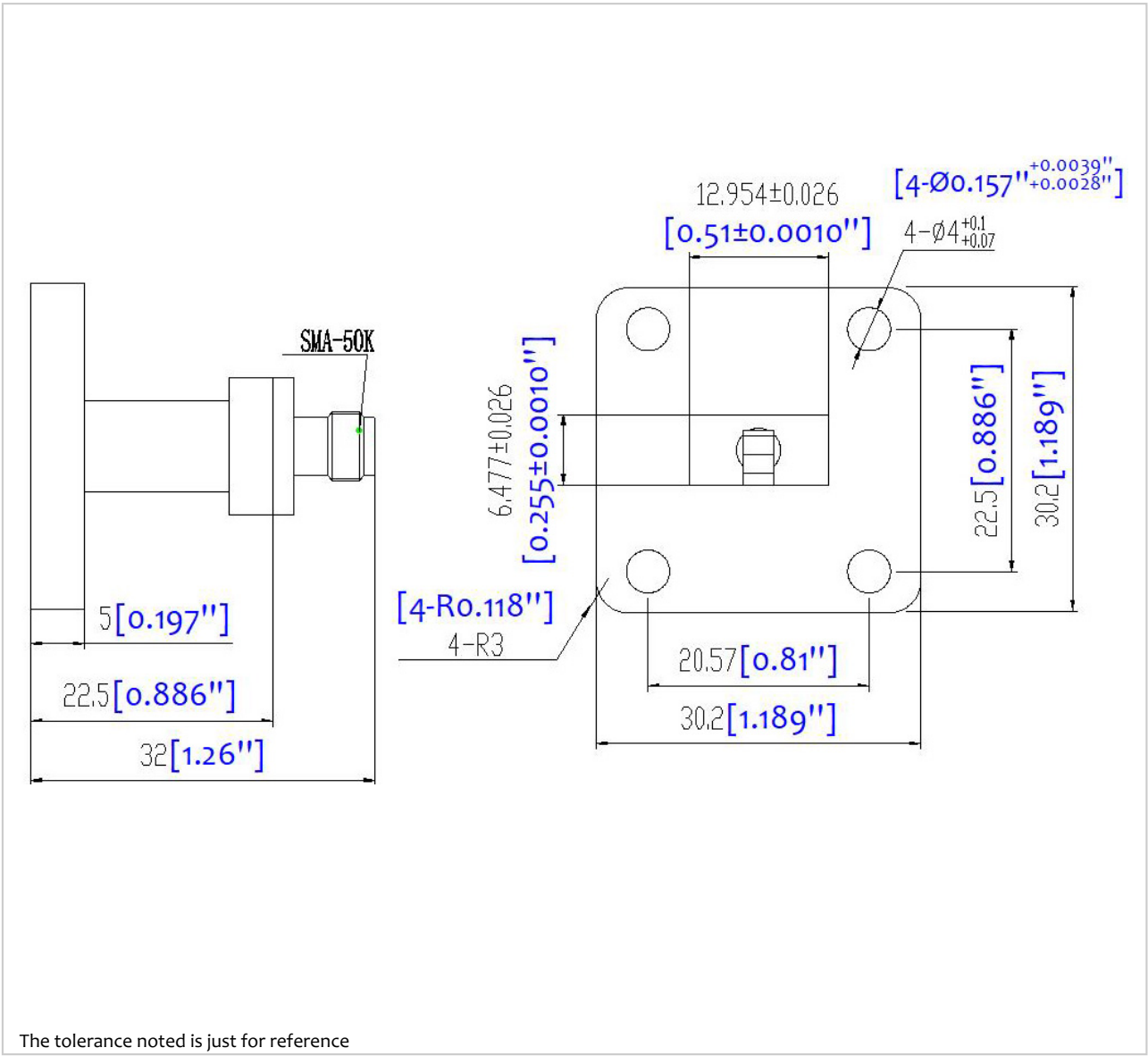
Parameter	Description
Operational Temperature	-40°C~+85°C (Case Temperature)
Storage Temperature	-50°C~+105°C
Thermal Shock	-40°C~+85°C (5 cycles/ 10 hours)
Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +85°C for 72 Hours
Shock	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
37369C (013409)
Date
2017-10-20-14-18-02
Note
VSWR
S11
SWR
REF
1.300U
0.100U/DIV
Cur
START
14.500000000GHz
STOP
22.000000000GHz
Name
Frequency
Value
Cur
15.475000000GHz
1.203U

Outline Drawing:

All Dimensions in mm [inches]



The tolerance noted is just for reference

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