

Dual Channel High Power Waveguide Rotary Joint 5.41-5.56GHz



Features

- Full band operation
- Low VSWR
- Rugged mechanical configuration

Typical Applications

- Transceivers
- Test setups
- Instrumentation
- Subsystems

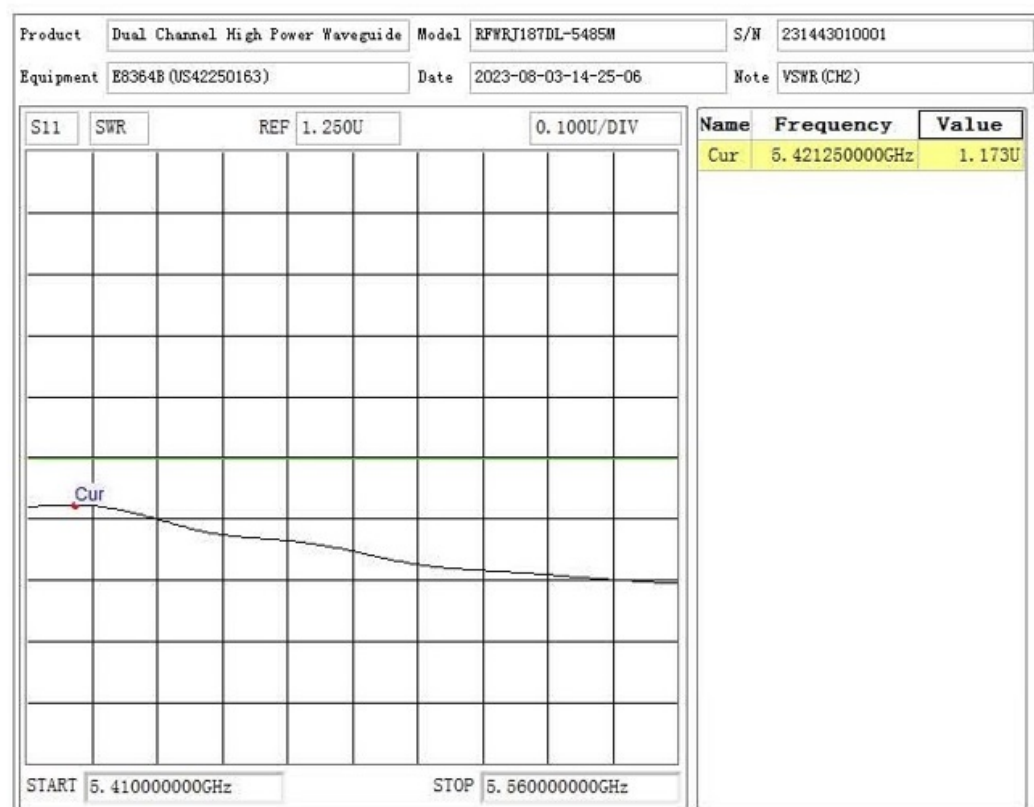
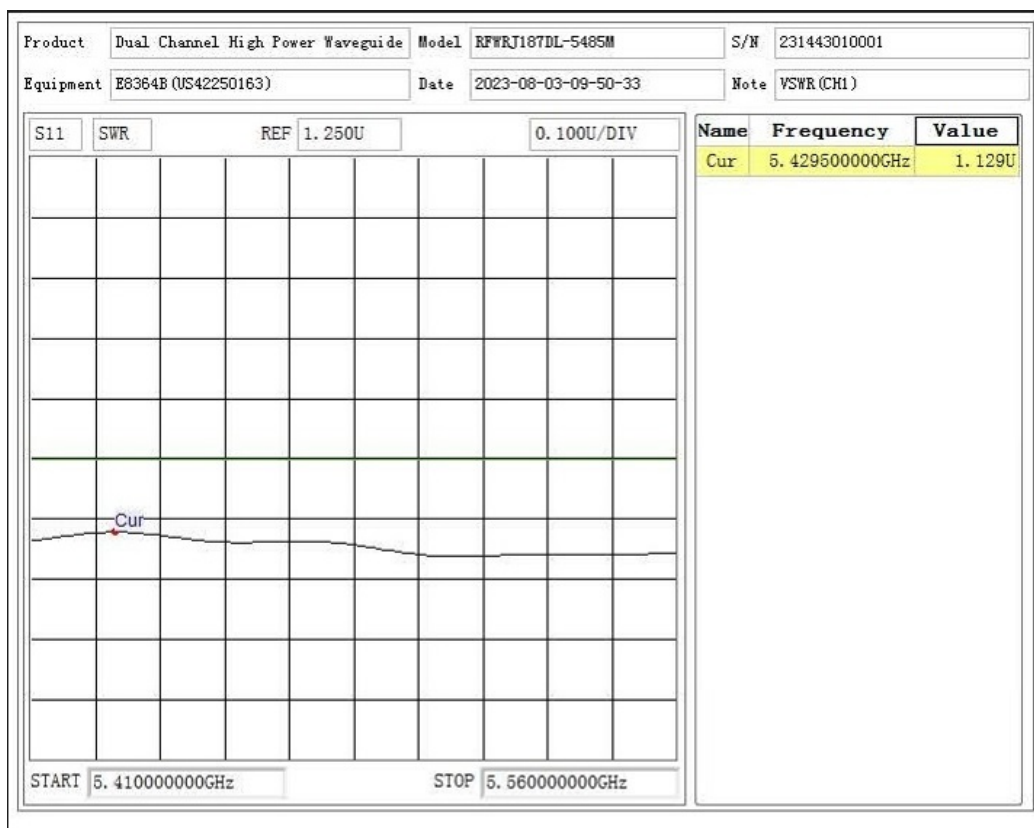
Electrical Specifications, TA=25°C

Parameters	Min	Typ	Max	Units
FREQ RANGE	5.41		5.56	GHz
VSWR			1.25	
Insertion Loss	0.3			dB
Waveguide	WR187			
Flange Type	Cover			
Average Power	500			KW
Weight	12.36			kg

Reliability Test Matrix

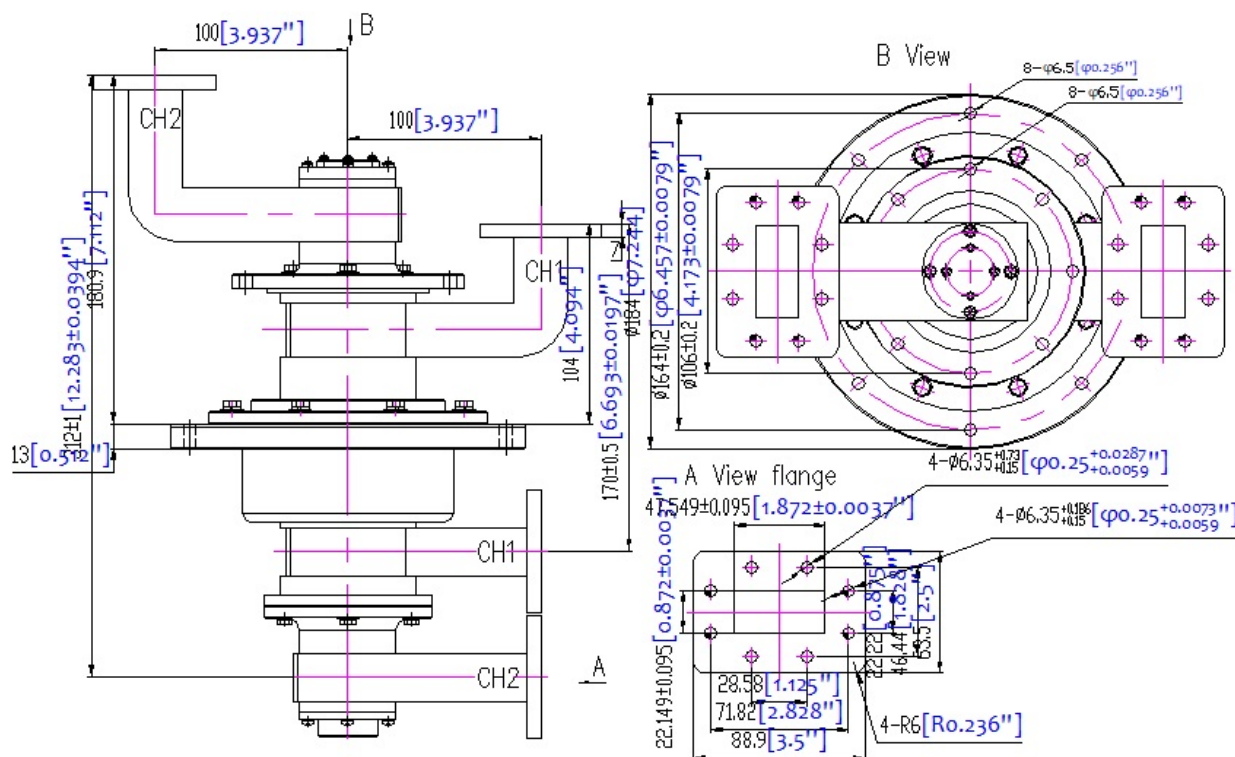
Parameter	Description
Operational Temperature	-40°C~+85°C (Case Temperature)
Storage Temperature	-50°C~+105°C
Thermal Shock	-40°C~+85°C (5 cycles/ 10 hours)
Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +85°C for 72 Hours
Shock	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:



Outline Drawing:

All Dimensions in mm [inches]



The tolerance noted is just for reference

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