

Broadwall Directional Coupler 8-10GHz



Features

- Full band operation
- Low VSWR
- Rugged mechanical configuration

Typical Applications

- Transceivers
- Test setups
- Instrumentation
- Subsystems

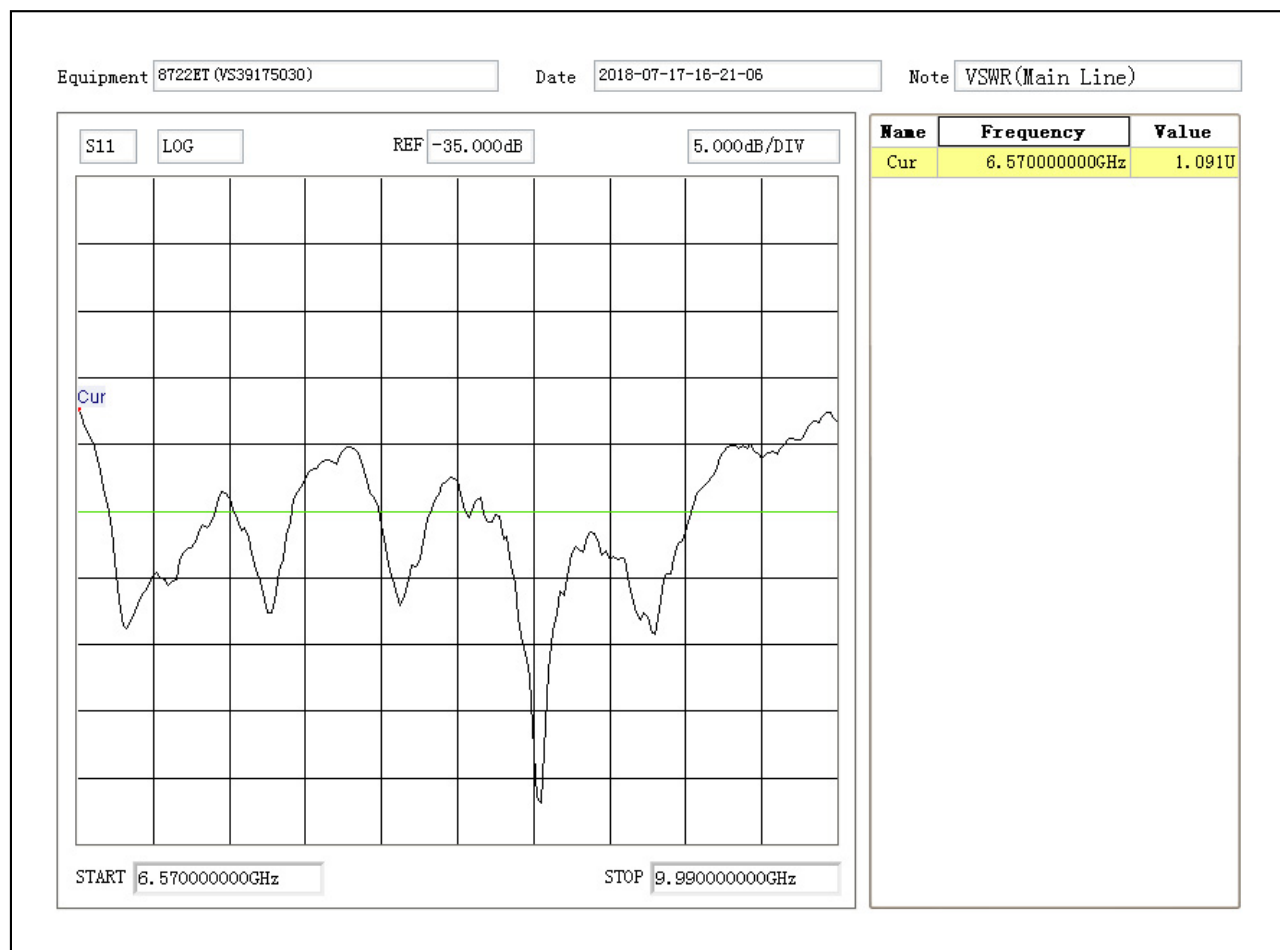
Electrical Specifications, TA=25°C

Parameters	Min	Typ	Max	Units
VSWR			1.1(Main line)	
Connector	N			
Waveguide	WR112			
Average Power	500			(W)
Flange Type	Cover			
Material	Copper			
Peak Power	30			KW
Coupling	40±0.7			dB
Directivity	25			dB

Reliability Test Matrix

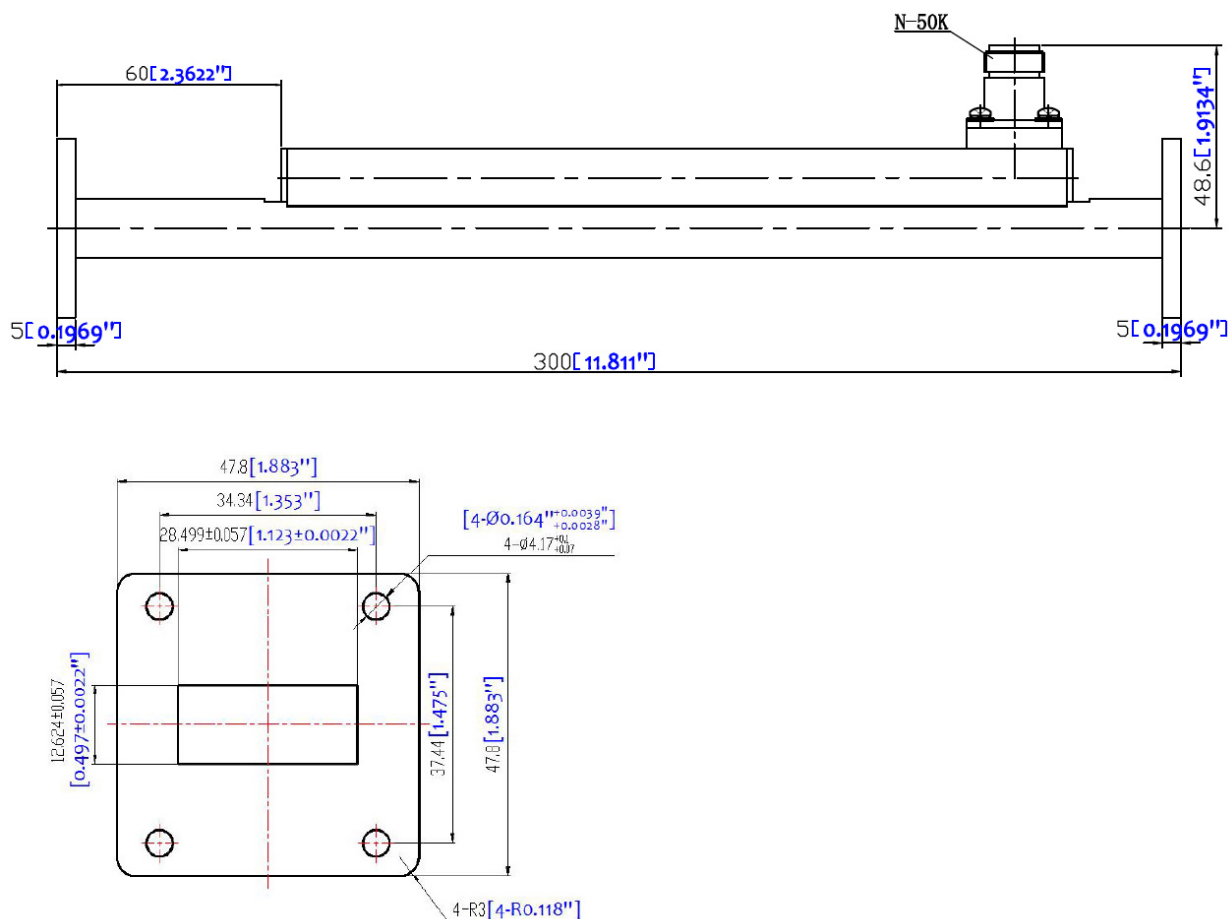
Item	Standard	Description
Operation Temperature	MIL-STD-39016	-45°C~+85°C
Storage Temperature		-55°C~+125°C
Thermal Shock		1 Hour. -45°C; 1 Hour +85°C, 5 Cycles
Random Vibration		acceleration Spectrum Density 6 (m/s), Total Root mean square root 92.6
Electrical & Temperature Burn In		Temperature +85°C 72 Hours
Shocking		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 3.6 Shocking Direction, 3 times each direction. Total 18 times.
Altitude		Standard Part: 30,000 Ft (Epoxy Sealed Controlled Environment) Hermetically Sealed Part (Optional) 60,000 Ft 1.0 PSI min
Hermetical Seal(Optional)	MIL-STD-883	MIL-STD-883(For Hermetical Seal Unit Only)

VSWR:



Outline Drawing:

All Dimensions in mm [inches]



The tolerance noted is just for reference

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