

## Broadwall Directional Coupler 26.5-40GHz



### Features

- Full band operation
- Low VSWR
- Rugged mechanical configuration

### Typical Applications

- Transceivers
- Test setups
- Instrumentation
- Subsystems



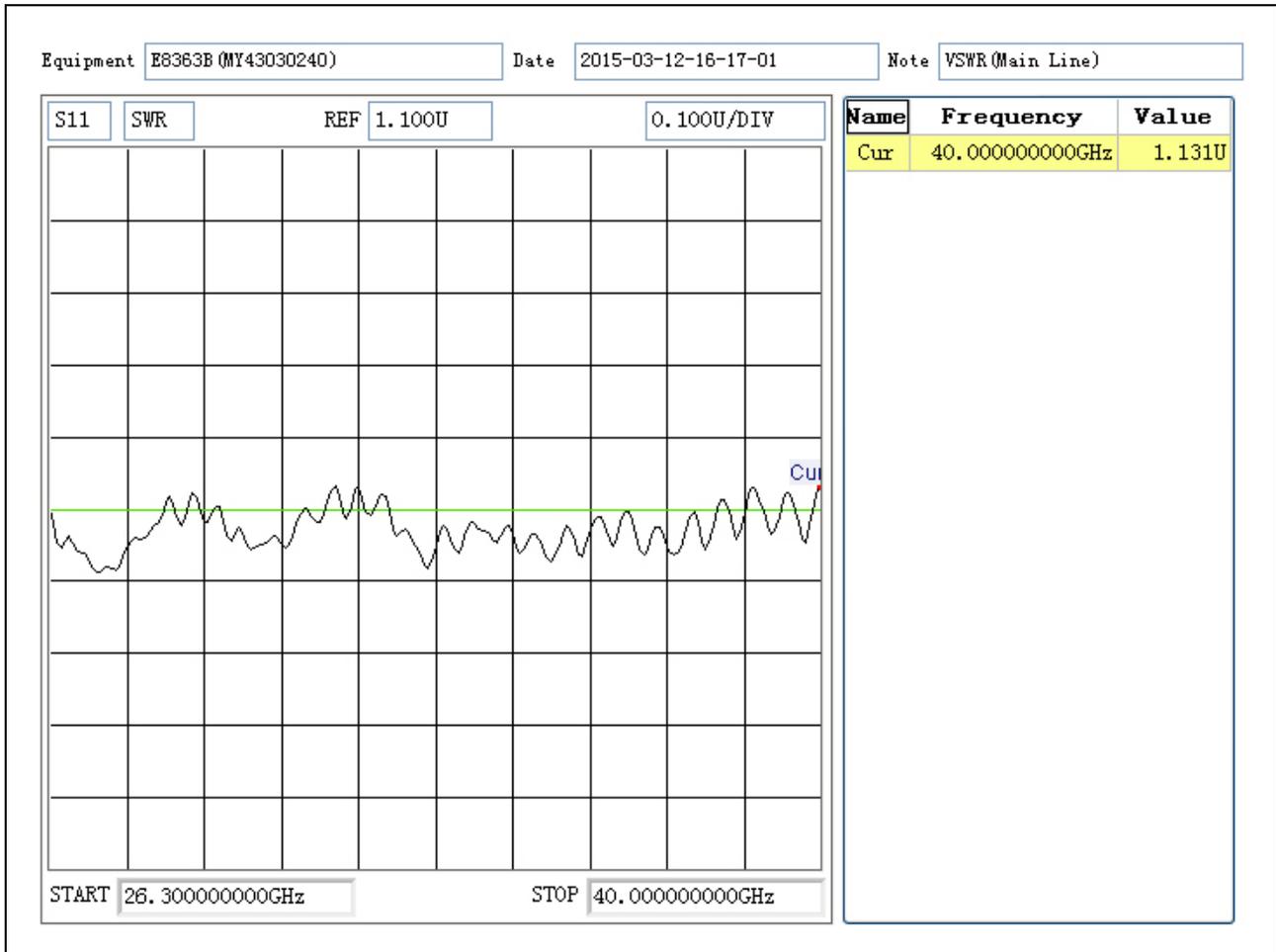
### Electrical Specifications, TA=25°C

Parameters	Min	Typ	Max	Units
VSWR			1.15(Main line)	
Connector		2.92mm		
Waveguide		WR28		
Average Power		50		(W)
Insertion Loss		0.4		dB
Flange Type		COVER		
Material		Copper		
Coupling		C1:40±0.7 ,C2:40±0.7		dB
Directivity		25		dB

### Reliability Test Matrix

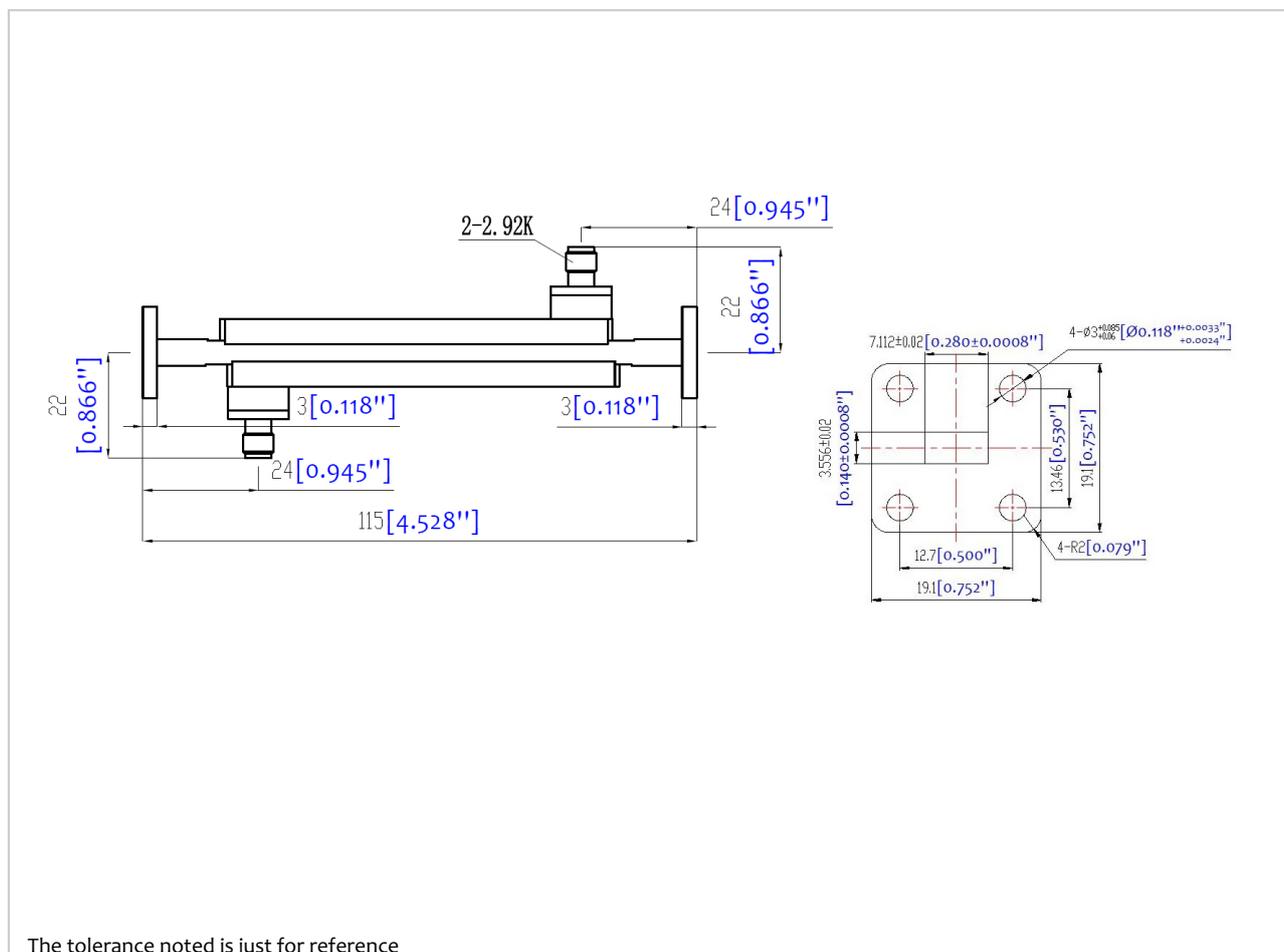
Item	Standard	Description
Operation Temperature	MIL-STD-39016	-45°C~+85°C
Storage Temperature		-55°C~+125°C
Thermal Shock		1 Hour. -45°C; 1 Hour +85°C, 5 Cycles
Random Vibration		acceleration Spectrum Density 6 (m/s), Total Root mean square root 92.6
Electrical & Temperature Burn In		Temperature +85°C 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]



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