



### 700MHz AWS WCS /CELL PCS Coaxial Cavity Multiple Frequency Combiner



#### Features

- High Isolation
- Low Insertion Loss
- Excellent Temperature Stability
- Miniaturization
- Customization available upon request

#### Electrical Specifications

Parameters	700MHz & AWS & WCS			CELL & PCS			Units
	Min.	Typ.	Max.	Min.	Typ.	Max.	
Frequency Range	698~787 1710-1755 2110-2360			817-894 1850-1995			MHz
Insertion Loss		0.45	0.5		0.45	0.5	dB
Pass Band Ripple		0.3	0.4		0.3	0.4	dB
Return loss	18			18			
Port Isolation	45			45			dB
Each port input Power	50						Watts
Operating Temperature	-25 to +70						°C
Impedance	50						Ohms
Weight	1.2						Kg
Input / Output Connector	N-Female						
Material	Aluminum						
Finishing	Black Paint						

#### Environment Specifications

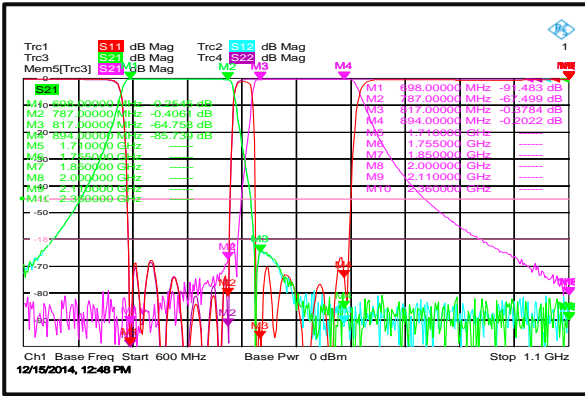
Operational Temperature (°C)	-25 ~ +70
Storage Temperature (°C)	-40 ~ +85
Altitude	30,000 ft (Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msc half sin wave, 3 axis both directions

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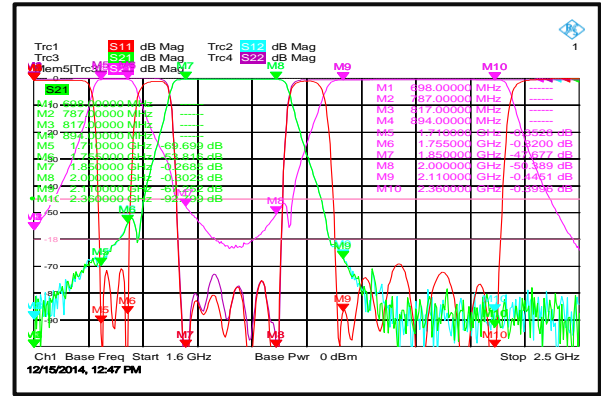


### Typical Performance Plots

700MHz & CELL VS.  
loss. Return Loss. Isolation



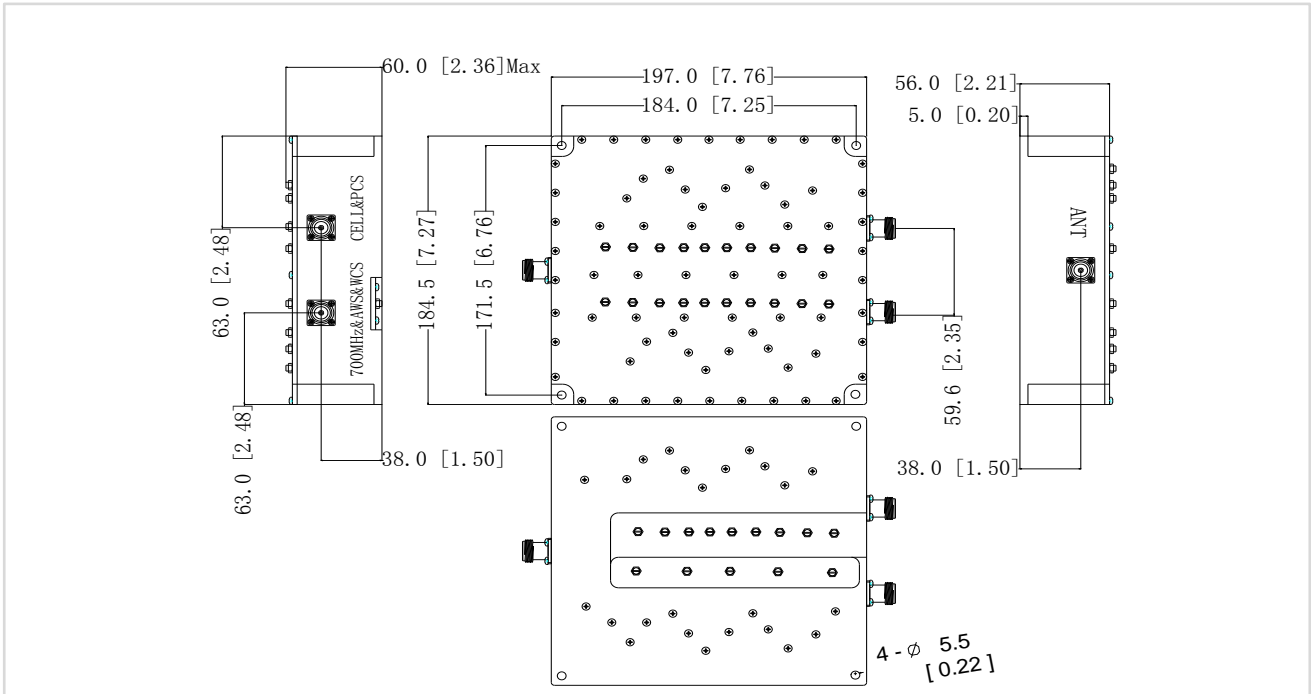
AWS& PCS&WCS VS.  
loss. Return Loss. Isolation



### Outline Drawing:

All Dimensions in mm (inches)

Tolerance  $\pm 0.5$  (0.02)



### Important Notice

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