



700MHz/850MHz/PCS /AWS Multiple Frequency Combiner



Electrical Specifications

Parameters	700MHz			850MHz			PCS1		PCS2		AWS			Units
	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.		
Frequency Range	698~787			824~894			1850~1990			1710~1755 &2110~2155			MHz	
Insertion Loss		0.6	0.7		0.6	0.7		3.5	3.6		0.4	0.5	dB	
Pass Band Ripple		0.3	0.4		0.3	0.4		0.3	0.4		0.2	0.3	dB	
Return loss	18	19		18	19		18	19		18	20			
Port Isolation	45			45			45			45			dB	
Each port input Power	20			20			10			20			Watts	
Operating Temperature	-25 to +70												°C	
Impedance	50												Ohms	
Weight	2.0												Kg	
Input / Output Connector	N-Female													
Material	Aluminum													
Finishing	Black Paint													

Environment Specifications

Operational Temperature (°C)	-25 to +70
Storage Temperature (°C)	-40 to +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

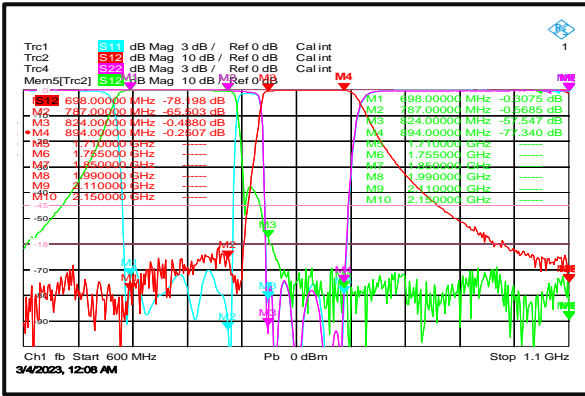
Features

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

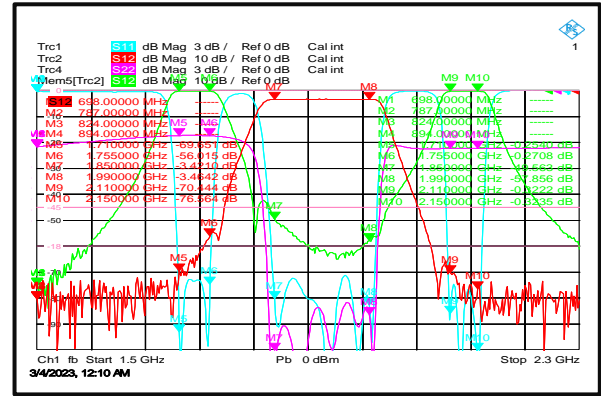


Typical Performance Plots

700MHz/850MHz VS.
Loss. Return loss. Ripple. Isolation



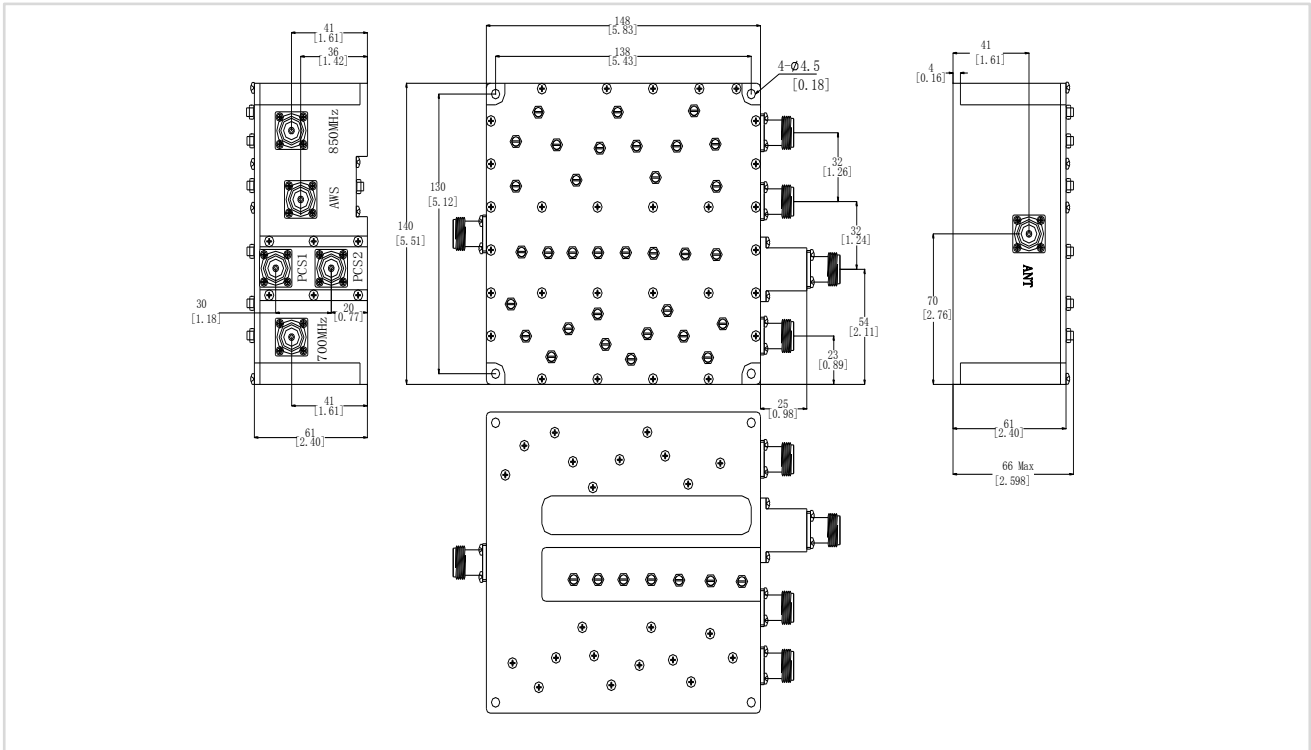
PCS/AWS VS.
Loss. Return loss. Ripple. Isolation



Outline Drawing:

All Dimensions in mm (inches)

Tolerance ± 0.3 (0.012)



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700MHz / 800MHz / 1900MHz / 2100MHz Multiple Frequency Combiner