



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



Electrical Specifications

Parameters	700MHz			850MHz & PCS						AWS			Units
	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	
Frequency Range	698~806			824~894			1850~2000			1710~1755 &2110~2155			MHz
Insertion Loss		0.55	0.7		0.55	0.7		0.45	0.5		0.4	0.5	dB
Pass Band Ripple		0.3	0.4		0.3	0.4		0.3	0.4		0.3	0.4	dB
Return loss	18	19		18	19		18	19		18	20		
Port Isolation	45	50		45	50		45	50		50			dB
Each port input Power	20											Watts	
Operating Temperature	-25 to +70											°C	
Impedance	50											Ohms	
Weight	67											Ounces	
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

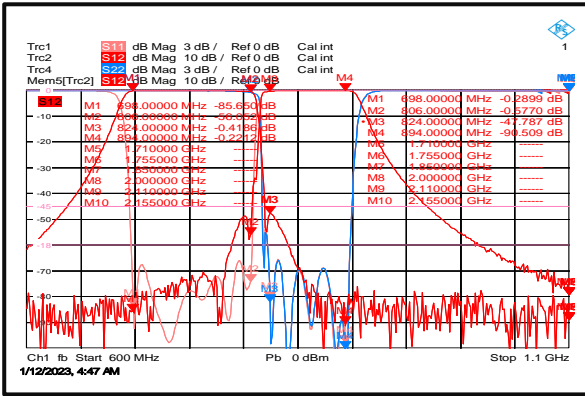
- High Isolation
- Low Insertion Loss
- Excellent Temperature Stability
- Miniaturization
- Customization available upon request

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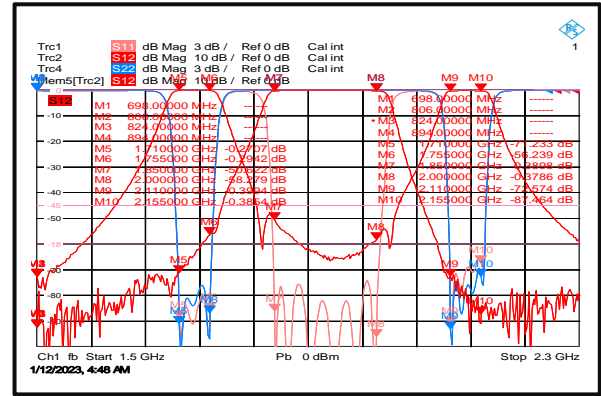


Typical Performance Plots

700MHz/850MHz VS.
VSWR. Loss. Ripple. Isolation



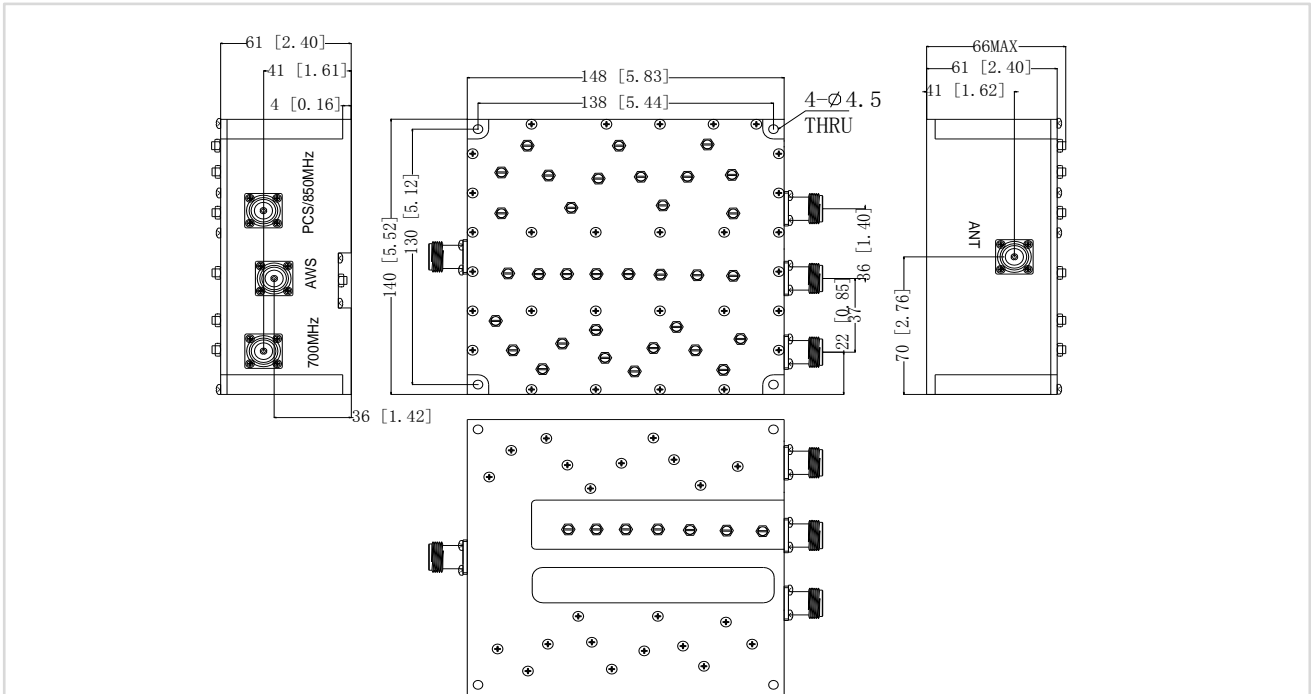
PCS /AWS VS.
VSWR. Loss. Ripple. Isolation



Outline Drawing:

All Dimensions in mm (inches)

Tolerance ± 0.3 (0.012)



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