RF-LAMBDA

The power beyond expectations

RFMU700M2100B

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

RoHS Compliant

Features

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

Electrical Specifications

Parameters	700MHz			800MHz			1900MHz			2100MHz			
	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	698~787			806~824 & 851~869			1850~1990			1710~1755 & 2110~2155			MHz
Insertion Loss		0.55	0.7		0.55	0.7		0.45	0.5		0.45	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			45			45			45			dB
Each port input Power	20												Watts
Operating Temperature	-25 to +70												℃
Impedance	50												Ohms
Weight	1.9												Kg
Input / Output Connector	N-Female												
Material	Aluminum												
Finishing	Black Paint												

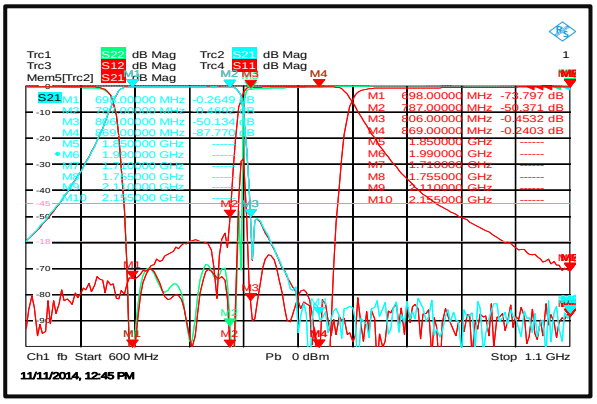
Environment Specifications

Operational Temperature (℃)	-25 to +70
Storage Temperature (℃)	-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℃, 95%RH at 40 ℃
Shock	20G for 11msc half sin wave,3 axis both directions

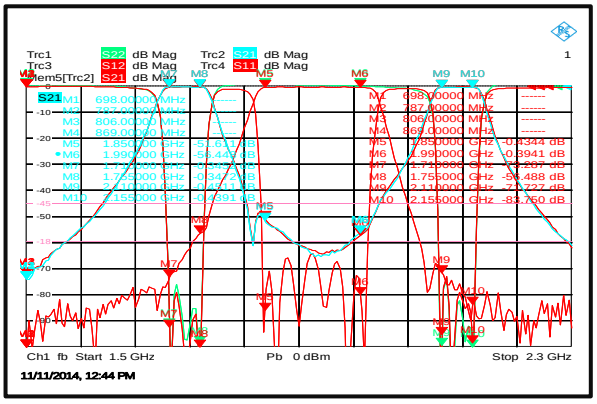
700MHz /800MHz/1900MHz /2100MHz Multiple Frequency Combiner

Typical Performance Plots

700MHz/800MHZ VS.
Loss. Return loss. Ripple. Isolation

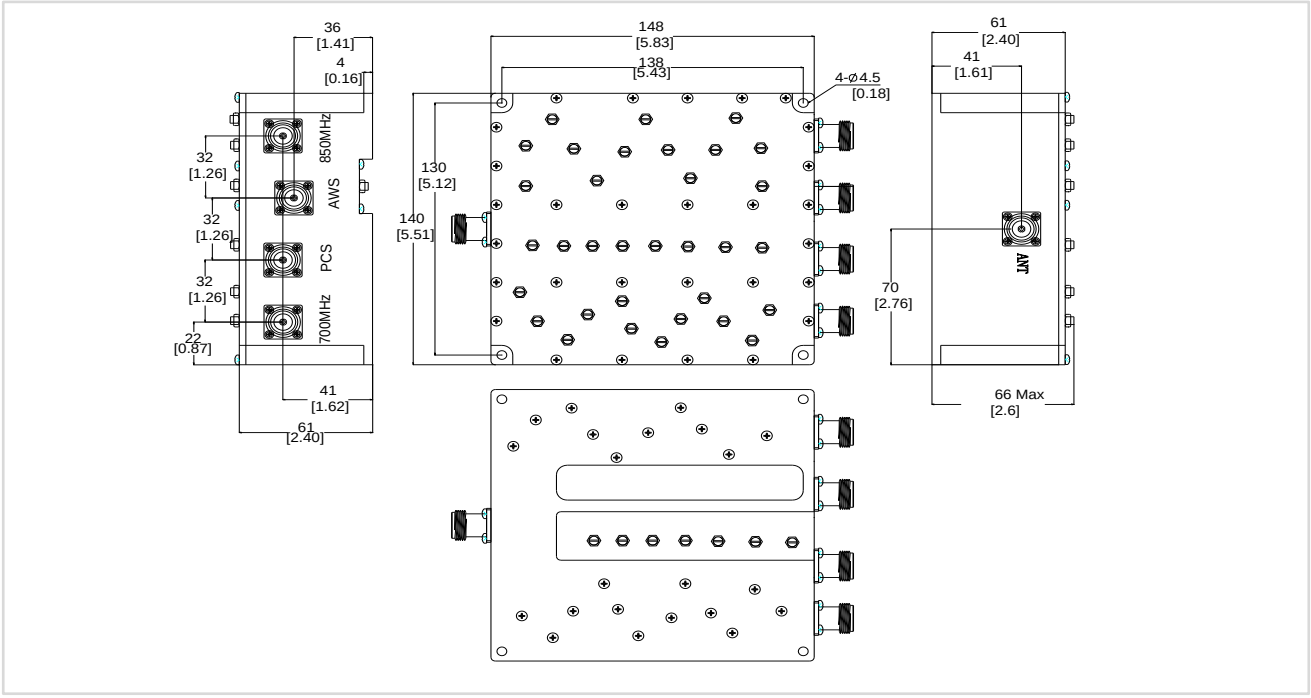


1900MHz/2100MHz VS.
Loss. Return loss. Ripple. Isolation



Outline Drawing:

All Dimensions in mm（inches）
Tolerance ±0.3（0.012）



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