



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFTU14M22M44

Multiple Frequency Combiner 1435~5300MHz



Features

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

Electrical Specifications, $T_A=25^{\circ}\text{C}$

Parameters	CH1			CH2			CH3			Units
	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	
Frequency Range	1435-1525			2200-2400			4400-5300			MHz
Insertion Loss		0.3	0.6		0.3	0.6		0.3	0.6	dB
Pass Band Ripple		0.15	0.3		0.15	0.3		0.15	0.3	dB
Return loss	18	19.5		18	19.5		18	19		dB
Port Isolation	60	70		60	70		60	70		dB
Max Input Power (Per Port)	50									Watts
Impedance	50									Ohms
Weight	17.64									Ounces
Input / Output Connectors	SM-Female									
Material	Aluminum									
Finishing	Blue Paint									

Environmental Specifications

Operational Temperature ($^{\circ}\text{C}$)	-40 to +60
Storage Temperature ($^{\circ}\text{C}$)	-55 to +85
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi. min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35 $^{\circ}\text{C}$, 95%RH at 40 $^{\circ}\text{C}$
Shock	20G for 11msec half sine wave, 3 axis both directions

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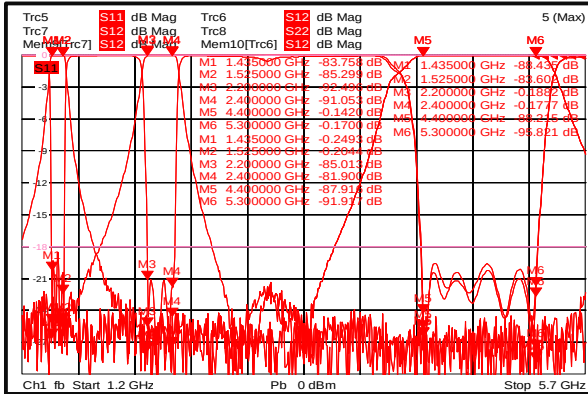
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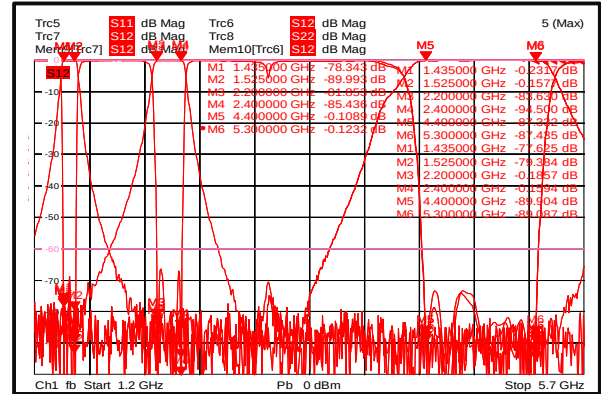
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Typical Performance Plots

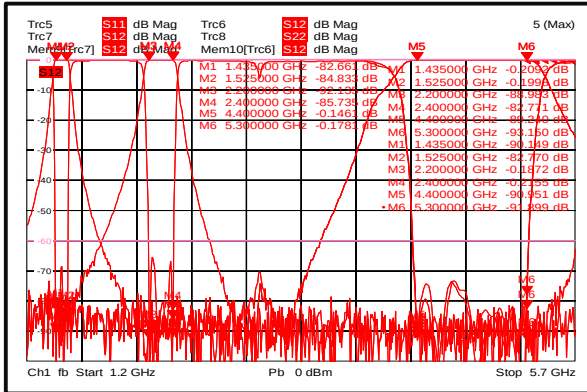
VSWR. Loss. Ripple. Isolation @+25°C



VSWS. Loss. Ripple. Isolation @-45°C



VSWS. Loss. Ripple. Isolation @+85°C



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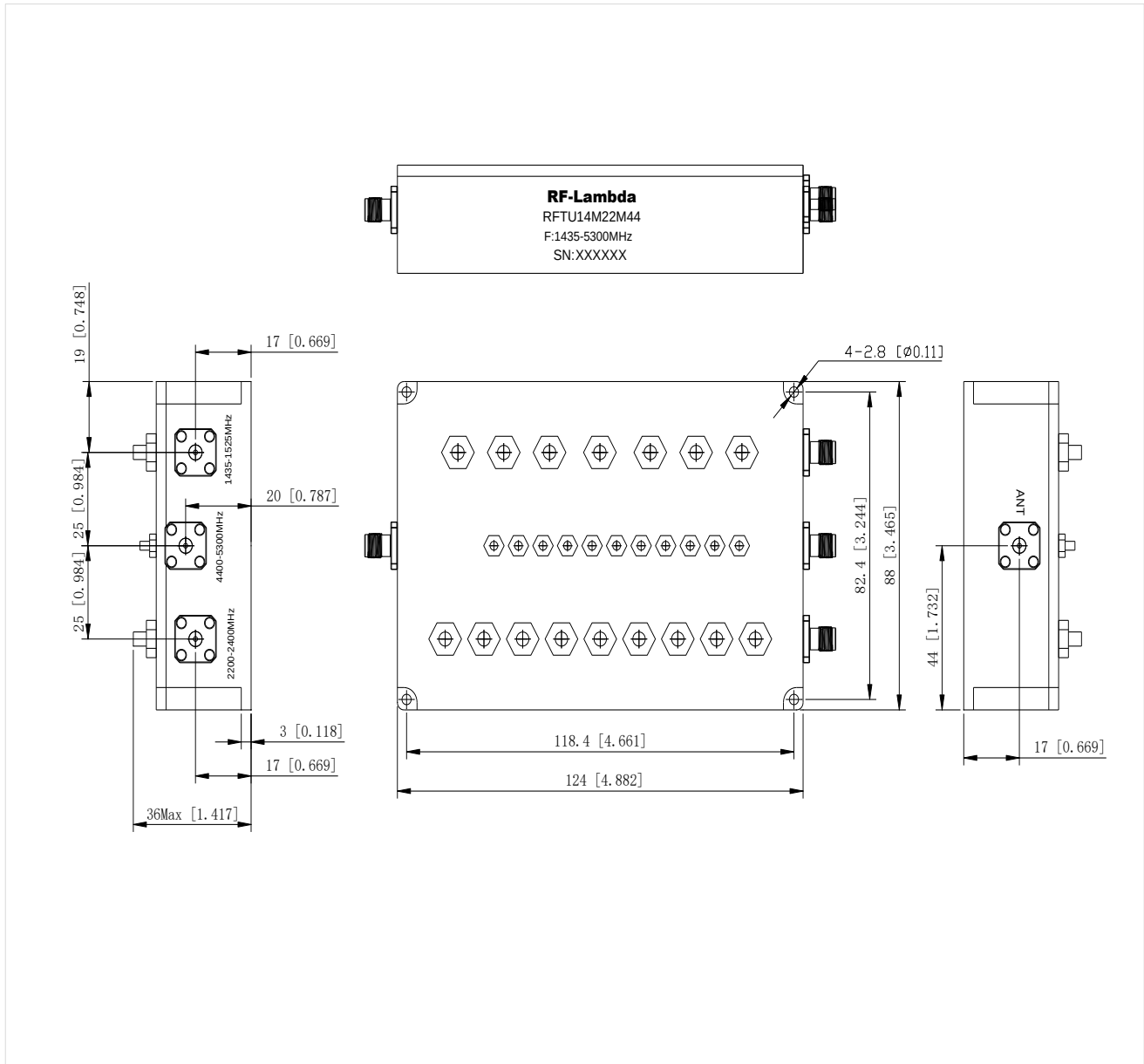
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Outline Drawing:

All Dimensions in mm [inches]

Tolerance ± 0.3 [0.012]



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