



## Coaxial Cavity Dual Frequency Combiner 903 - 926MHz



### Features

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



### Electrical Specifications , $T_A=25^\circ C$

Parameters	TX			RX			Units
	Min.	Typ.	Max.	Min.	Typ.	Max.	
Frequency Range	903		906	923		926	MHz
Return Loss	21	23		21	23		dB
Insertion Loss		1.1	1.2		1.1	1.2	dB
Pass Band Ripple		0.15	0.3		0.15	0.3	dB
Port Isolation	50	70		50	70		dB
Nominal Coupling	29	30	31	29	30	31	dB
Power Rating	Average		50			50	W
	Peak		0.5			0.5	KW
Impedance	50						Ohms
Weight	28.22						ounces
Input / Output Connectors	SMA - Female						
Material	Aluminum						
Finishing	Black Paint						

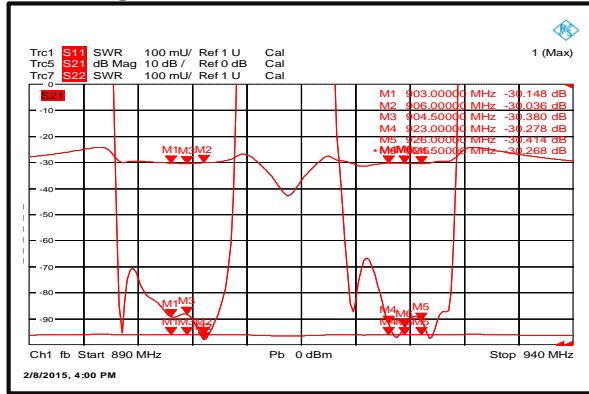
### Environmental Specifications

Operational Temperature (°C)	-25 ~ +70
Storage Temperature (°C)	-40 ~ +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 35c, 95%RH at 40 deg c
Shock	20G for 11msec half sine wave, 3 axis both directions

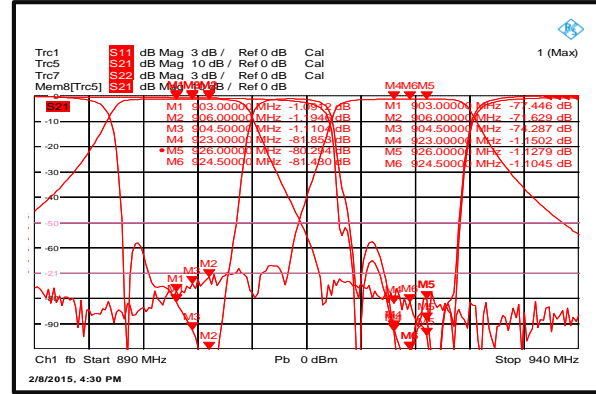


**Typical Performance Plots**

**Coupling and VSWR**



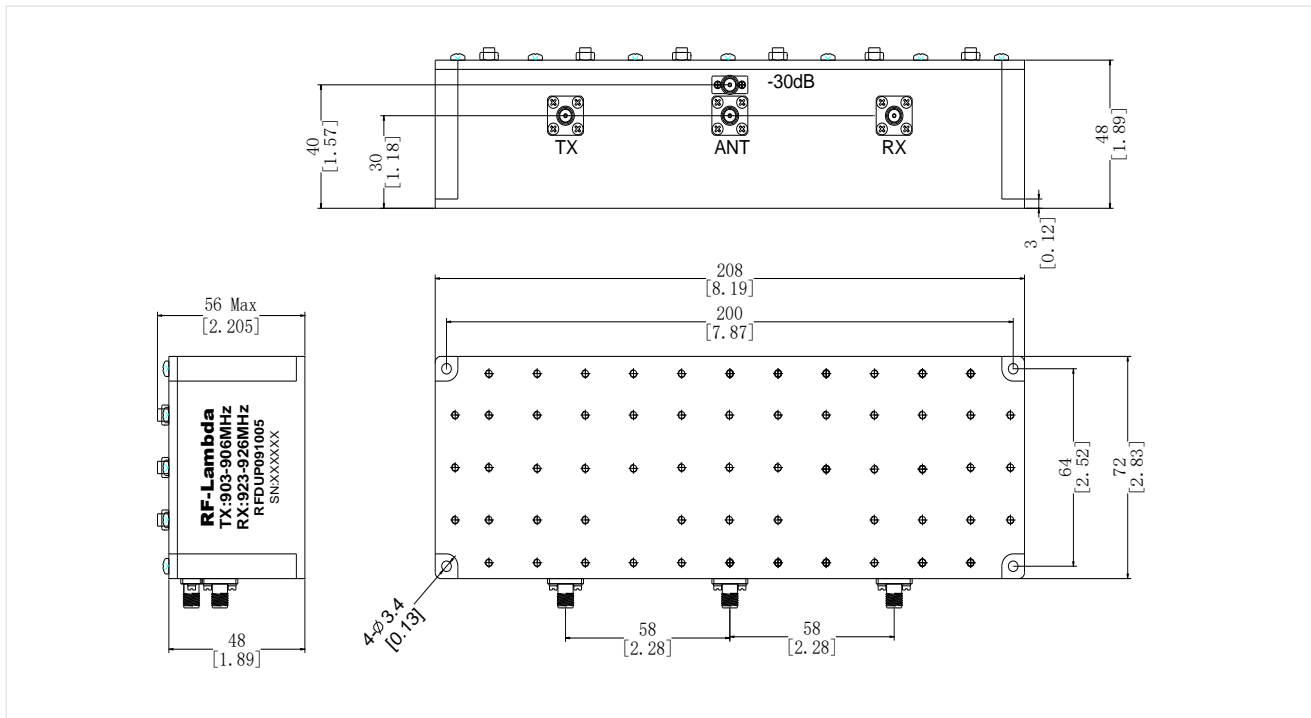
**Insertion Loss, Return Loss and Isolation**



**Outline Drawing:**

All Dimensions in mm [inches]

Tolerance  $\pm 0.25$  [0.01]



**Important Notice**

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