



Coaxial Dual Frequency Combiner 0.698~2.155GHz



Features

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

Coaxial Cavity Dual Frequency Combiner 0.698~2.155GHz

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

Parameters		700MHZ			AWS			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Frequency Range		0.698		0.806	1.71		2.155	GHz
Return Loss		18	20		18	20		dB
Insertion Loss			0.3	0.5		0.3	0.5	dB
Pass Band Ripple			0.15	0.3		0.2	0.3	dB
Port Isolation		45	60		45	60		dB
Power Rating	Average		30			30		W
	Peak		300			300		W
Operating Temperature		-20 to +70						°C
Impedance		50						Ohms
Weight		16.6						Ounces
Input / Output Connectors		N - Female						
Material		Aluminum						
Finishing		Black Paint						

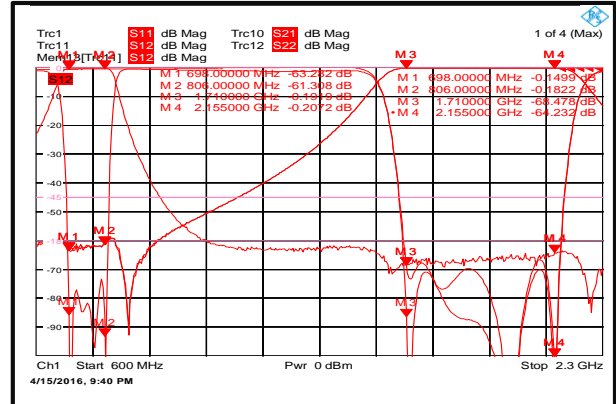


Environmental Specifications

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

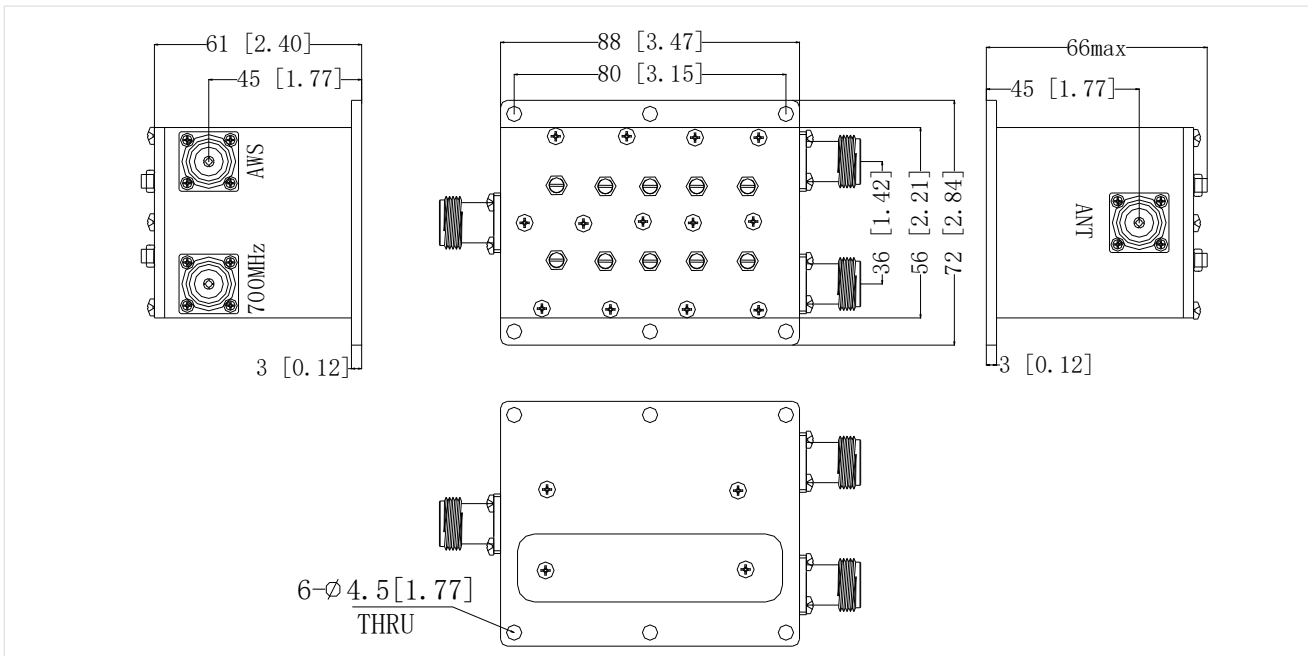
Typical Performance Plots

Insertion Loss, Return Loss and Isolation



Outline Drawing:

All Dimensions in mm [inches]
Tolerance ± 0.3 [0.012]



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