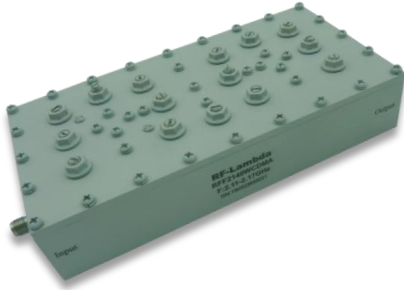




### Cavity Band Pass Filter 2.11 – 2.17GHz



#### Features

- Specially designed for 3G communication systems
- Conforms to Unicom technical standards
- High rejection
- High power capability

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

Parameters		Min.	Typ.	Max.	Units
Frequency Range		2.11		2.17	GHz
Insertion Loss			0.7	1.0	dB
Ripple			0.3	0.5	dB
Return Loss		18	21		dB
Rejection	@ 2190-2090 MHz	45	50		dB
	@ 1920-1980MHz	90	93		dB
Power Handling				100	W
Impedance		50			Ohms
Weight		13.76			ounces
Input / Output Connectors		SMA-female			
Material		Aluminum			
Finish		Gray Paint			

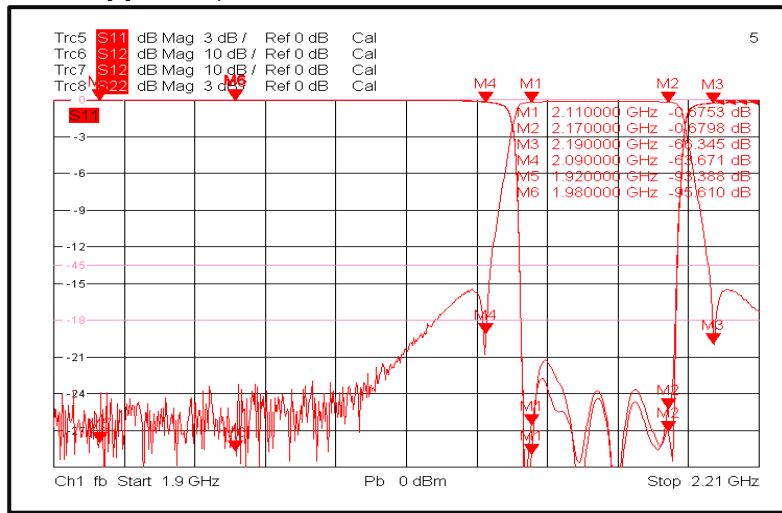
#### Environmental Specifications and Test Standards

Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-30°C~+75°C
Storage Temperature		-40°C~+85°C
Thermal Shock		1 Hour@ -45°C → 1 Hour @ +85°C (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85°C for 72 Hours
Shock		1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s 3. Total 18 times (6 directions, 3 repetitions per direction).
Altitude		Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883	MIL-STD-883 (For Hermetically Sealed Units)



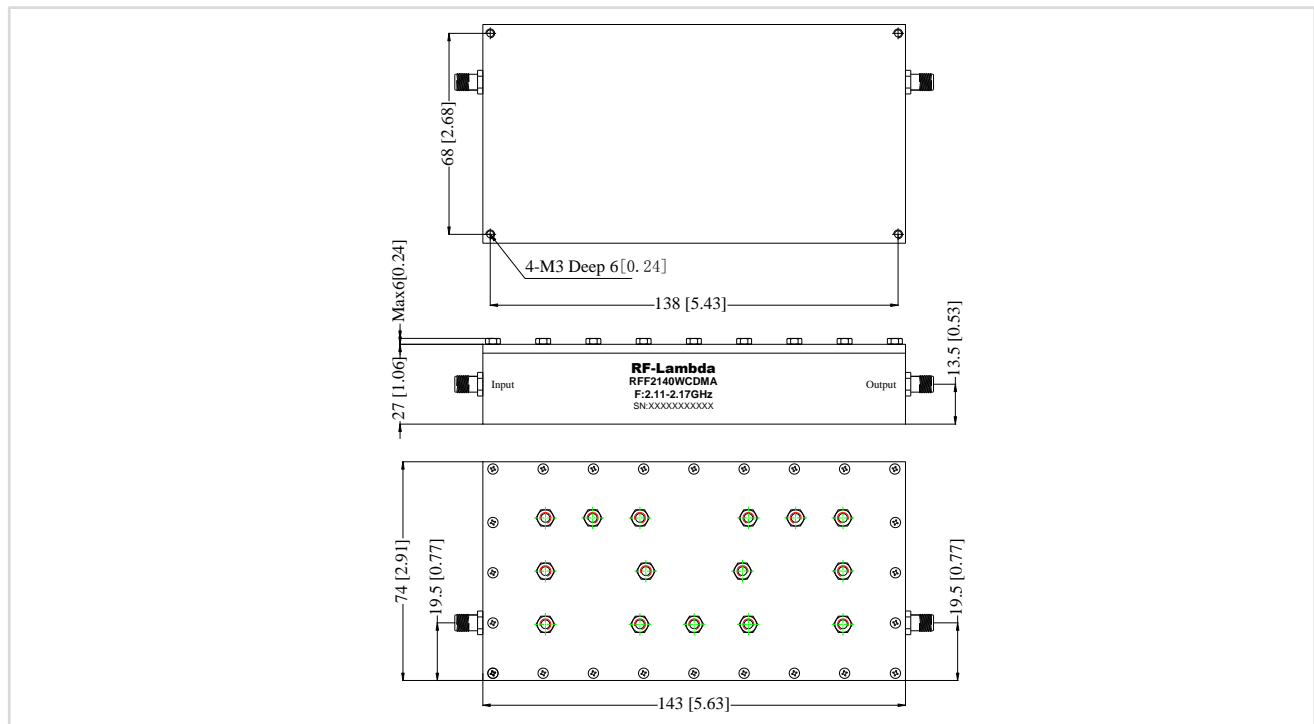
### Typical Performance Plots

#### Loss, Ripple, Rejection, VSWR



### Outline Drawing:

All Dimensions in mm [inches]



### Important Notice

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