

### Features

- High Rejection
- Low Insertion Loss
- Excellent Temperature Stability
- Filter Type: Cavity
- Customization available upon request



Parameters		Min.	Typ.	Max.	Units
Frequency Range		2.2		2.7	GHz
Insertion Loss			1.0	1.2	dB
Pass Band Ripple			0.6	0.8	dB
VSWR			1.5	1.7	: 1
Rejection	@DC-2.15GHz	45	48		dB
	@2.75-5GHz	45	48		dB
Power Rating	Average	30			W
	Peak	100 (10% Duty Cycle, 1us Pulse Width)			W
Impedance		50			Ohms
Weight		19.5 Max.			Ounces
Input / Output Connectors		SMA-Female			
Material		Aluminum			
Finish		Nickel Plated			
Package		Hermetically Sealed (Laser Welded)			

**Environmental Specifications**

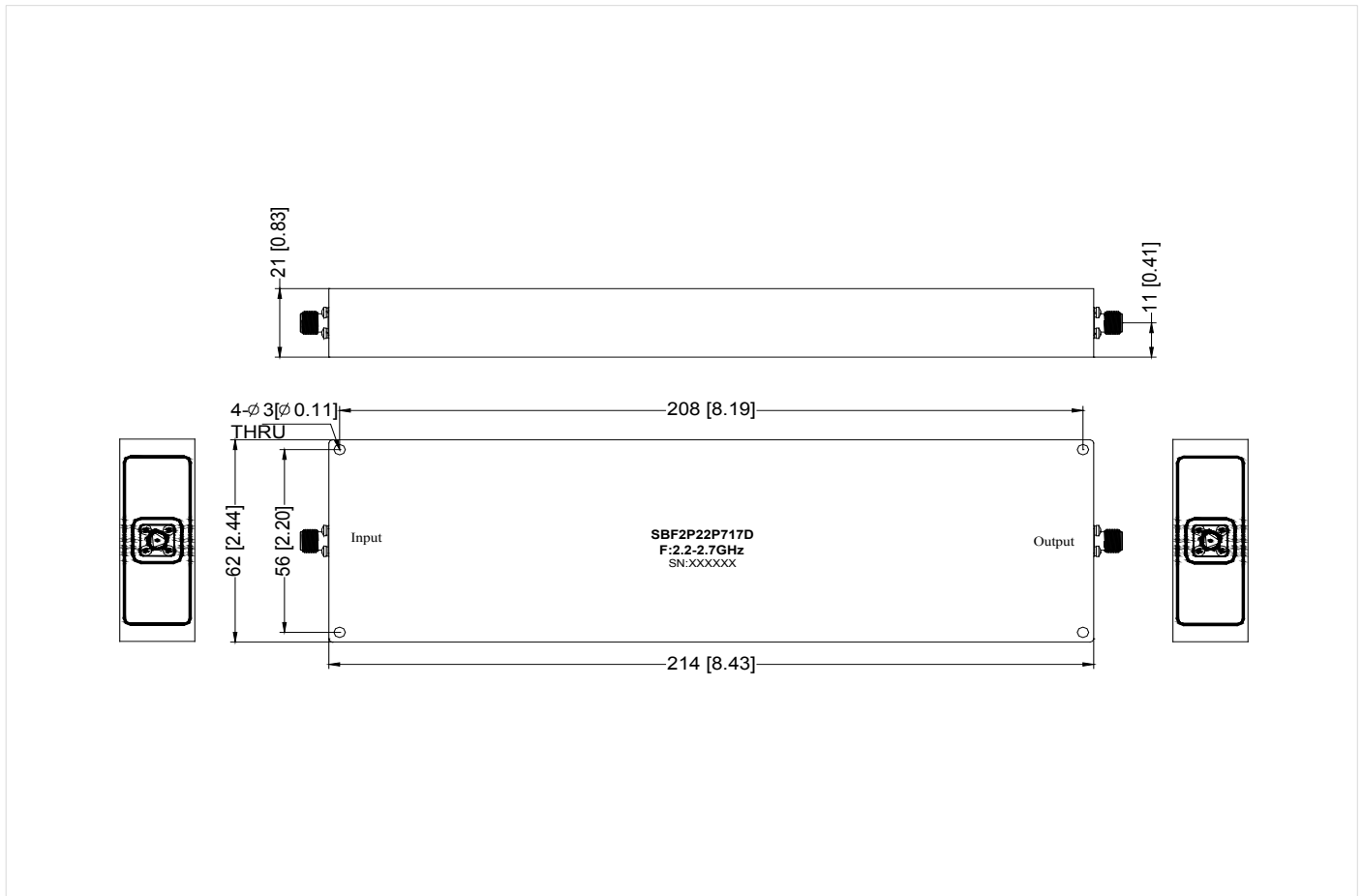
Operational Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
(Optional)	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

**Outline Drawing:**

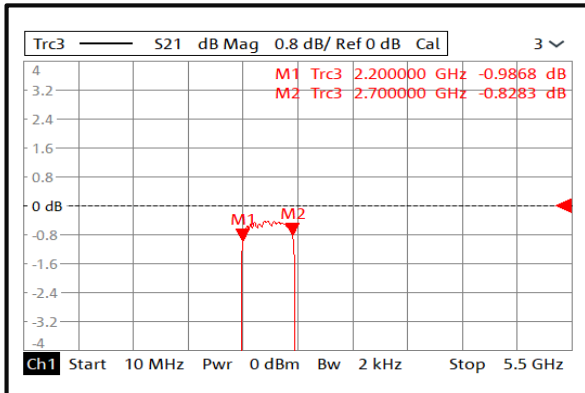
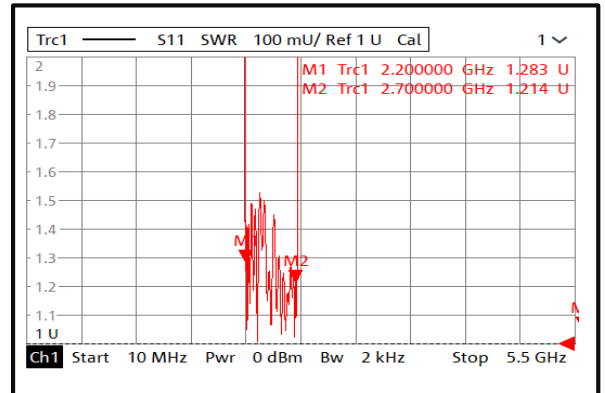
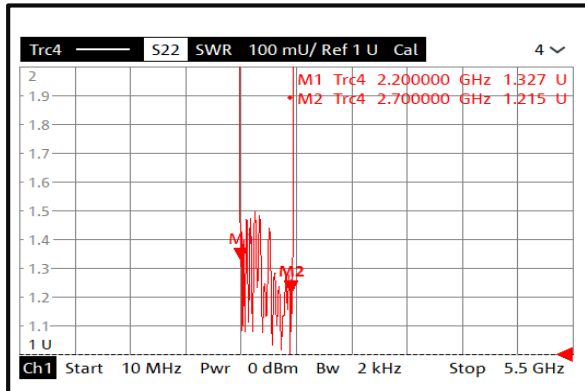
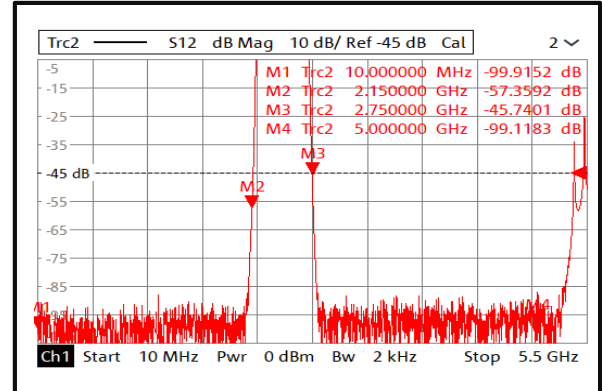
All Dimensions in mm (inches)

Outline Tolerances ±0.5(0.02)

Mounting Holes Tolerances ±0.2(0.008)



Hermetically Sealed Nickel Plated Coaxial Cavity Band Pass Filter  
 2.2GHz-2.7GHz

**Insertion Loss**

**Input VSWR**

**Output VSWR**

**Rejection**


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