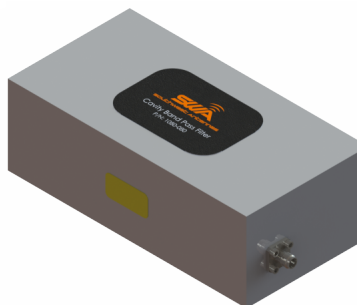


Overview

Southwest Antennas Part # 1080-080 is a temperature compensated S-Band cavity band pass filter that features 0.5 dB of insertion loss over the operating frequency of 2.2 - 2.29 GHz. The filter housing is silver plated machined aluminum and has two SMA(f) RF connectors.

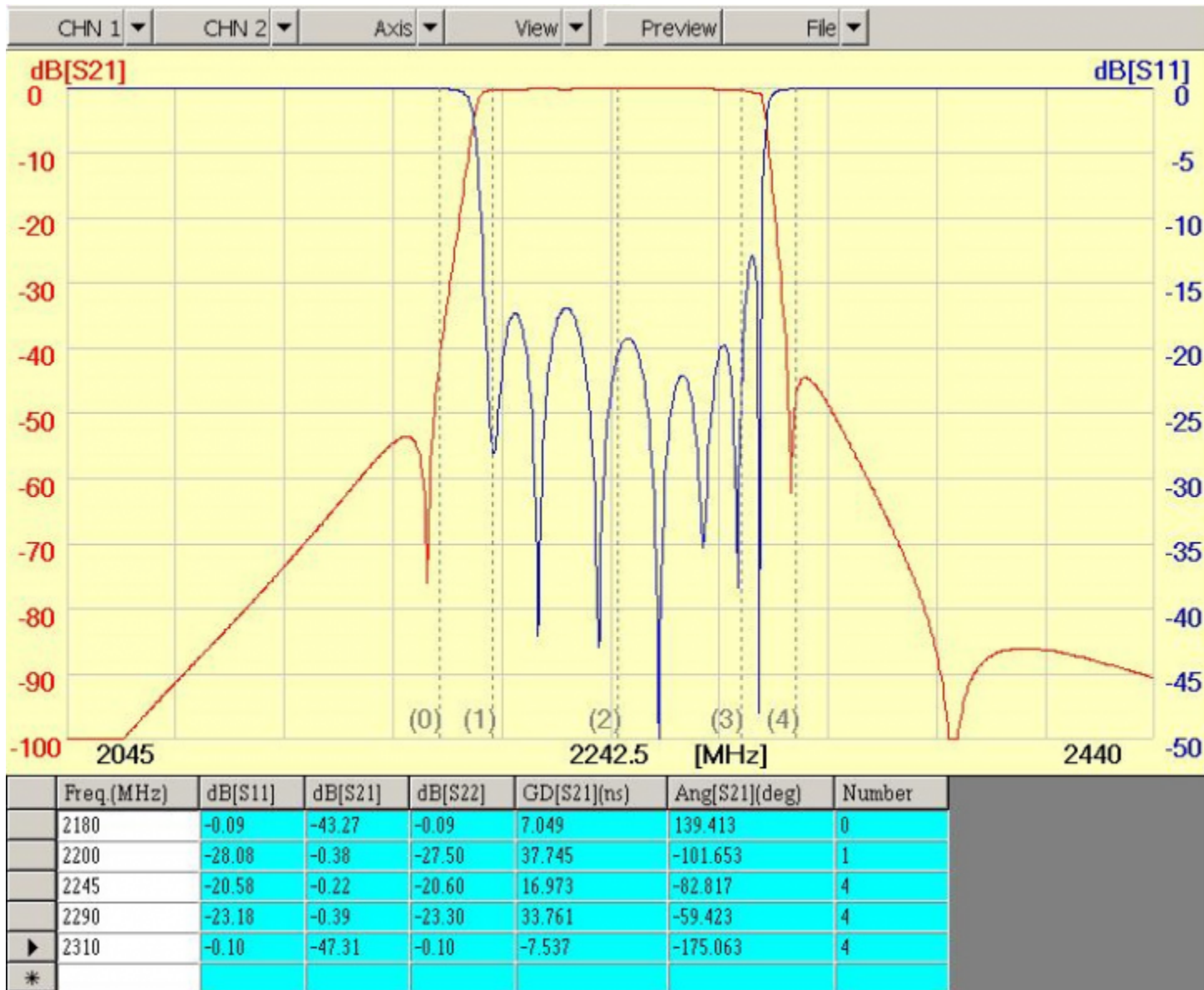
Features:

- 2,200 - 2,290 MHz
- >30 dB Isolation Out of Band
- 0.5 dB Insertion Loss in Band
- Temperature Compensated Design
- 2x SMA(f) RF Connectors
- 6x .067/.74 2-56 UNC - 2B .120 Min DP Threaded Mounting Holes
- Silver Plated Machined Aluminum Housing

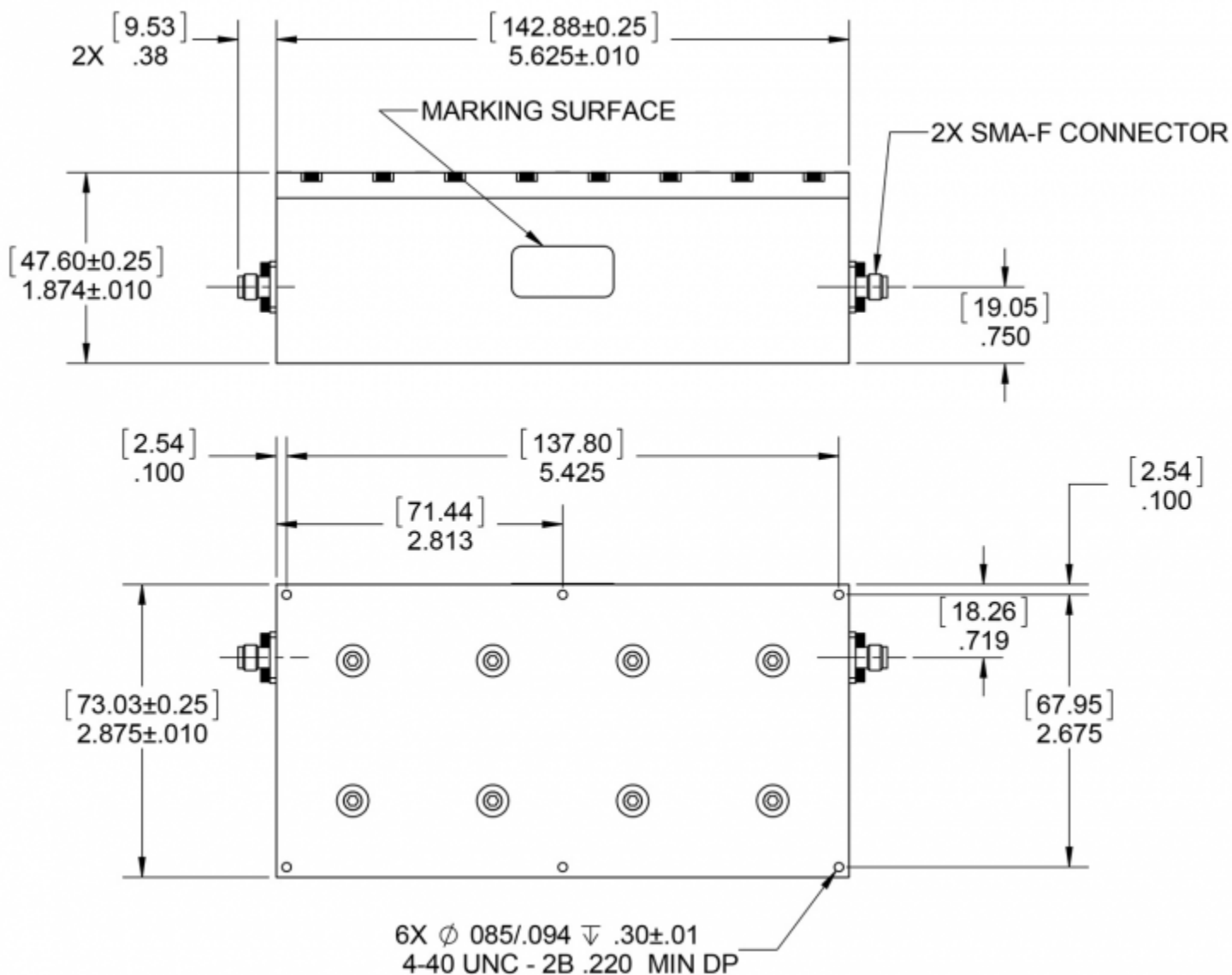


Filter Specifications

Parameter	Value	Units	Tolerance
Filter Type	Cavity Band Pass Filter		
Fo	2.245 / 2,245	GHz / MHz	
Filter Frequency Band	S		
Filter Impedance	50	Ohms	
Filter Min Frequency	2.2 / 2,200	GHz / MHz	
Filter Max Frequency	2.29 / 2,290	GHz / MHz	
Insertion Loss	0.5	dB	2,200 - 2,290 MHz
Return Loss	15	dB	Over 100% of passband
Rejection 1	-30	dBc	Min @ DC to 2,180 MHz
Rejection 2	-30	dBc	Min @ 2,310 to 3,500 MHz
Operating Temp	-40 to +85	C	
Storage Temp	-55 to +125	C	
Product Length	5.625	in	±.010
Product Width	2.875	in	±.010
Product Height	1.874	in	±.010
Product Weight	14.1 / 400.0	oz / grams	
RF Connectors	2x SMA(f)		



Filter Response Plot



Engineering Drawing

All dimensions in inches [mm in brackets]