



### Cavity Diplexers

- ◆ High Rejection
- ◆ Low Insertion Loss
- ◆ Miniaturization
- ◆ Excellent Reliability
- ◆ Customization available



### Electrical Specifications

Parameters	Units		ANT-RX	ANT-TX
Pass Band Frequency	MHz		2200-2206	2226-2290
Insertion Loss	dB	Max	1.5	1.0
Ripple	dB	Max	TBD	TBD
Return Loss	dB	Min	15	15
Group Delay Variation	ns	Max	TBD	TBD
Phase Matching	deg	Max	TBD	TBD
Rejection	dB	Min	≥60@2226-2290MHz	≥60@2200-2206MHz
Isolation	TBD			
Power Handling	50W max			
Port Sign	Port 1: ANT ; Port 2: RX ; Port 3:TX			

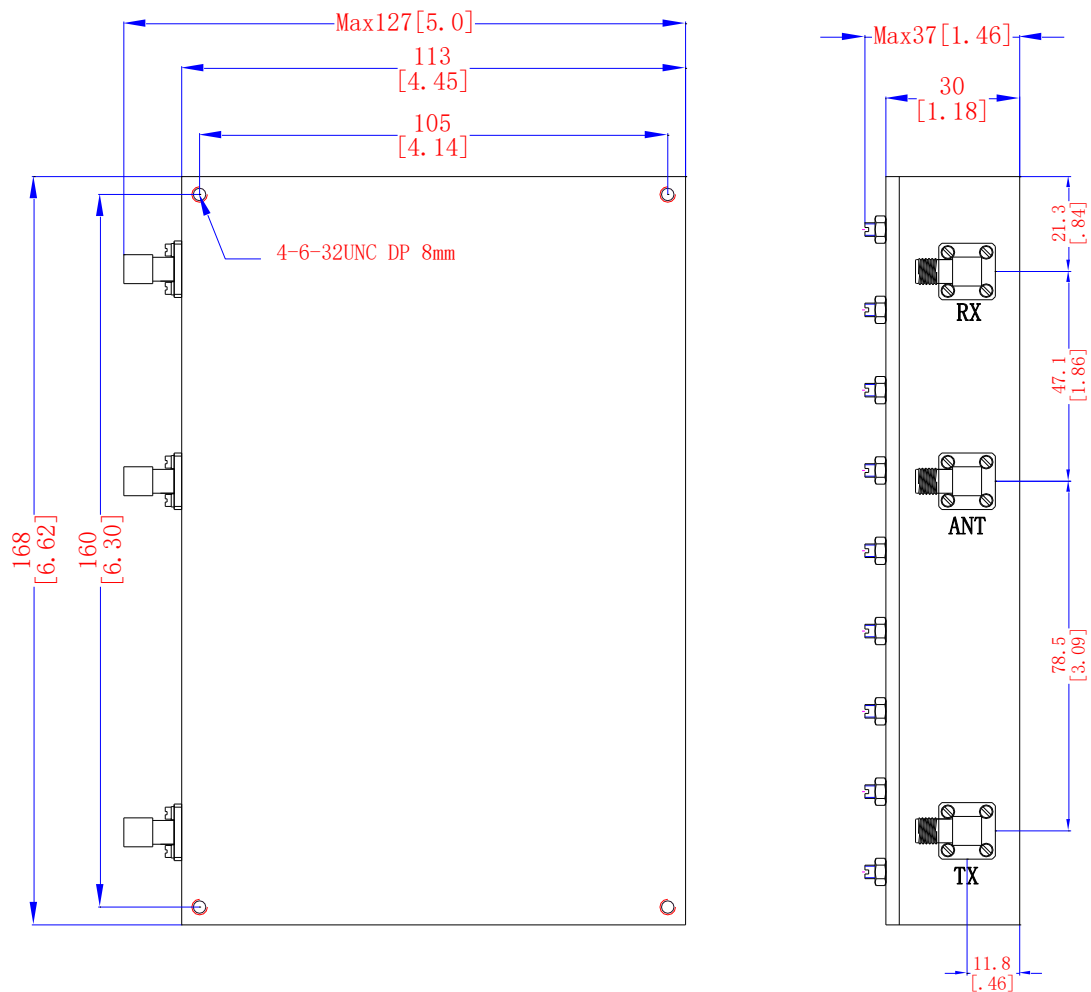
**50 ohms Coaxial Cavity Diplexers**

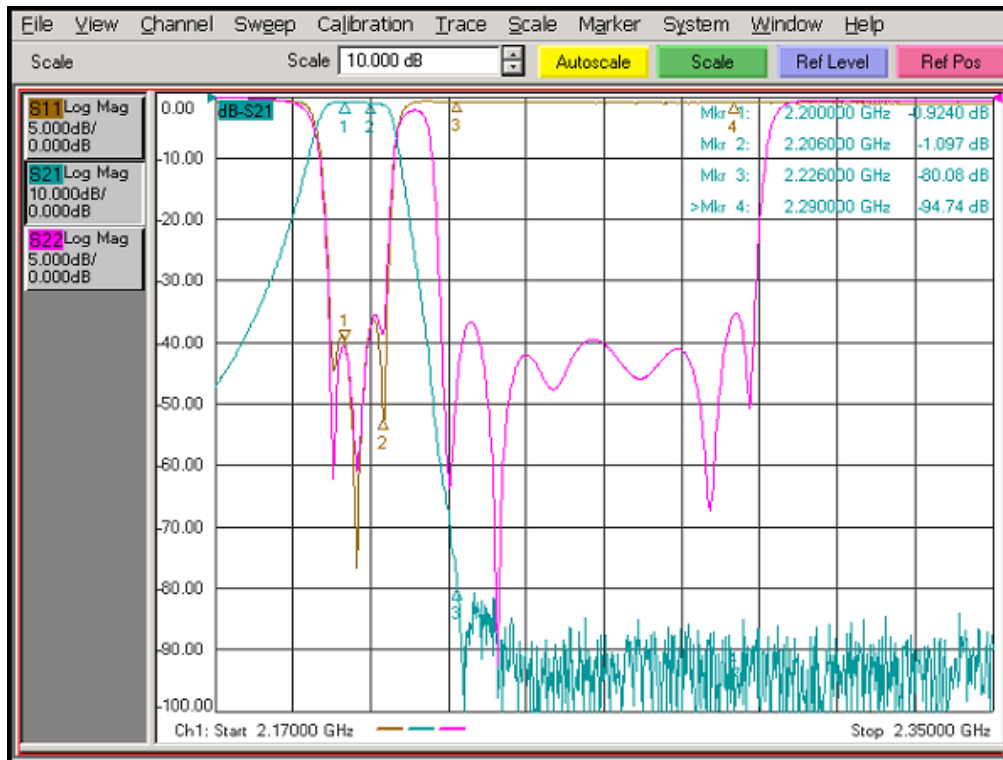
SN:2162-200612 Version: A0

Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
ANT Connector	SMA-Female(50Ω/Right angle)	Operating Temp.	-40°C to +70°C
Rx and Tx Connectors	SMA-Female(50Ω/Right angle)	Storage Temp.	-55°C to +85°C
ROHS	Yes	Environment Class	TBD
Material	Aluminum (6061)	Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
Weight(Kg)	TBD		
Surface Finish	Black Painted	Humidity	95%RH at 40°C
Shock	20G for 11msec half sine wave,3 axis both directions		
Note			

**Outline Drawing:**

All Dimensions in mm (inches)

 Outline Tolerances  $\pm 0.3(0.012)$ 


**Test Plot**

**Test Plot**
