



### Cavity Diplexers

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



### Electrical Specifications

Parameters	Units		ANT-RX	ANT-TX
Pass Band Frequency	MHz		2500-2570	2620-2690
Insertion Loss	dB	Max	1.0	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	TBD	TBD
Isolation	≥65dB@2500-2570MHz,2620-2690MHz			
Power Handling	50 W(Avg)			
Port Sign	Port 1: ANT ; Port 2: RX ; Port 3:TX			

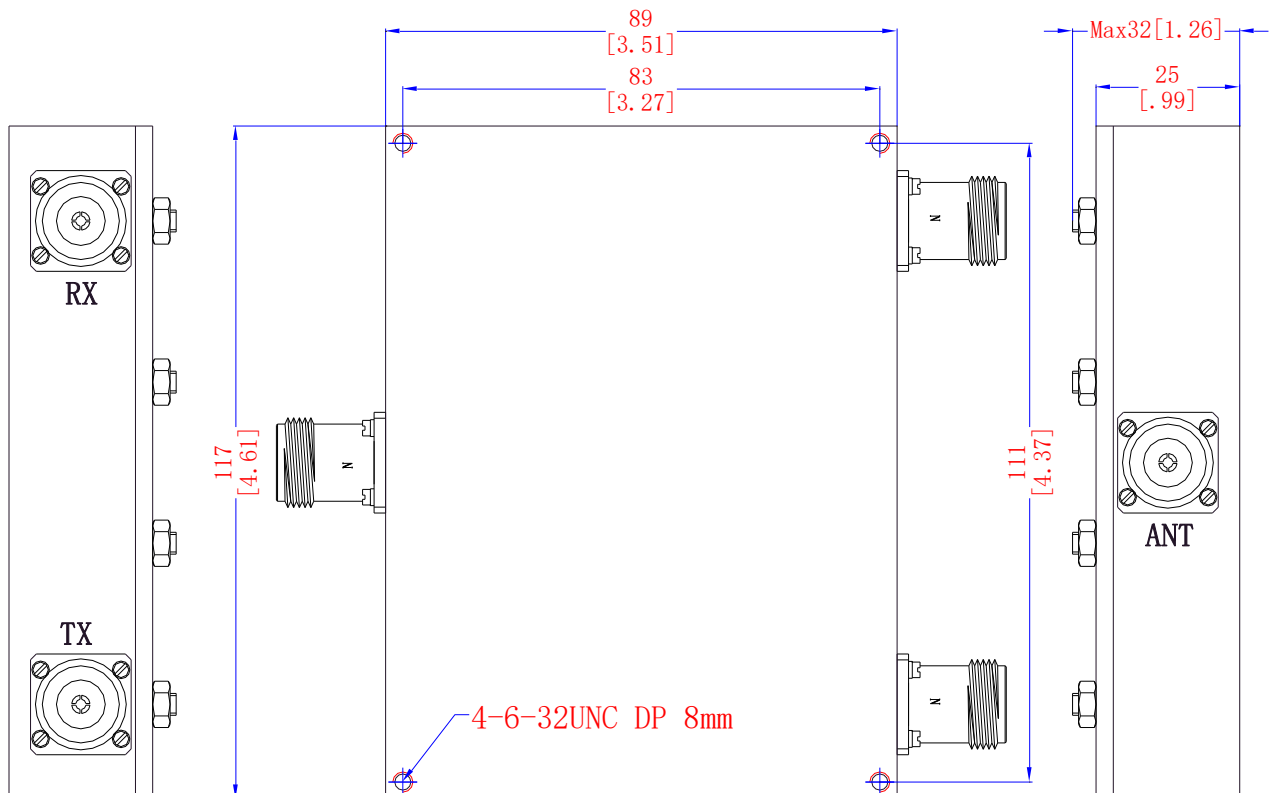
**50 ohms Coaxial Cavity Diplexers**

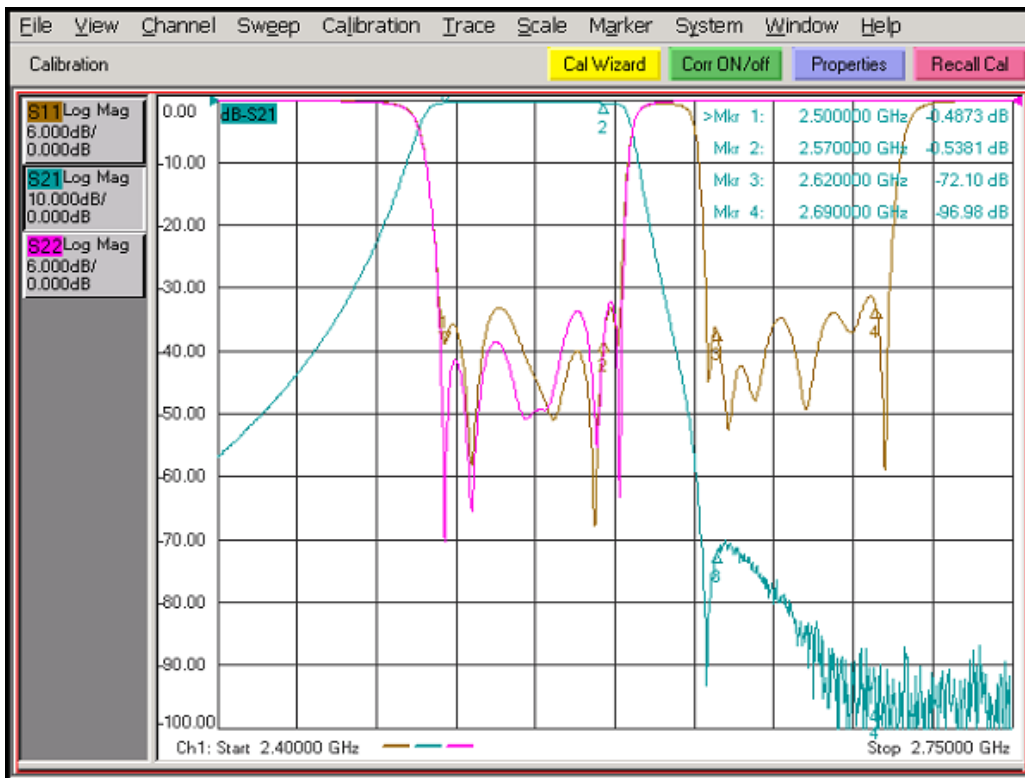
SN:0793-140903 Version: A0

Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
ANT Connector	N-Female (50Ω)	Operating Temp.	-40°C to +70°C
Rx and Tx Connectors	N-Female (50Ω)	Storage Temp.	-50°C to +90°C
ROHS	Yes	Environment Class	TBD
Material	Aluminum (6061)	Altitude	30,000 ft.
Weight(Kg)	0.44		(Epoxy Sealed Controlled environment)
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**

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