

50 ohms Coaxial Cavity Triplexer

SN:0064 Version: A0



Cavity Triplexer

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



Electrical Specifications					
Parameters	Units		COM-CH1	COM-CH2	COM-CH3
Pass Band Frequency	MHz		2025-2120	2200-2230	1750-1850
Insertion Loss	dB	Max	0.8	0.8	0.8
Ripple	dB	Max	TBD	TBD	TBD
Return Loss	dB	Min	17	17	17
Group Delay Variation	ns	Max	TBD	TBD	TBD
Phase Matching	deg	Max	TBD	TBD	TBD
Rejection	dB	Min	≥100dB@2200-2230MHz ≥100dB@1750-1850MHz	≥100dB@1750-1850MHz ≥100dB@2025-2120MHz	≥100dB@2200-2230MHz ≥100dB@2025-2120MHz
Isolation	≥100dB@1750 ~ 1850MHz,2025 ~ 2120MHz,2200 ~ 2230MHz				
Power Handling	300W max				
Port Sign	Port 1: COM ; Port 2:CH1 ; Port 3: CH2 ;Port 4: CH3				

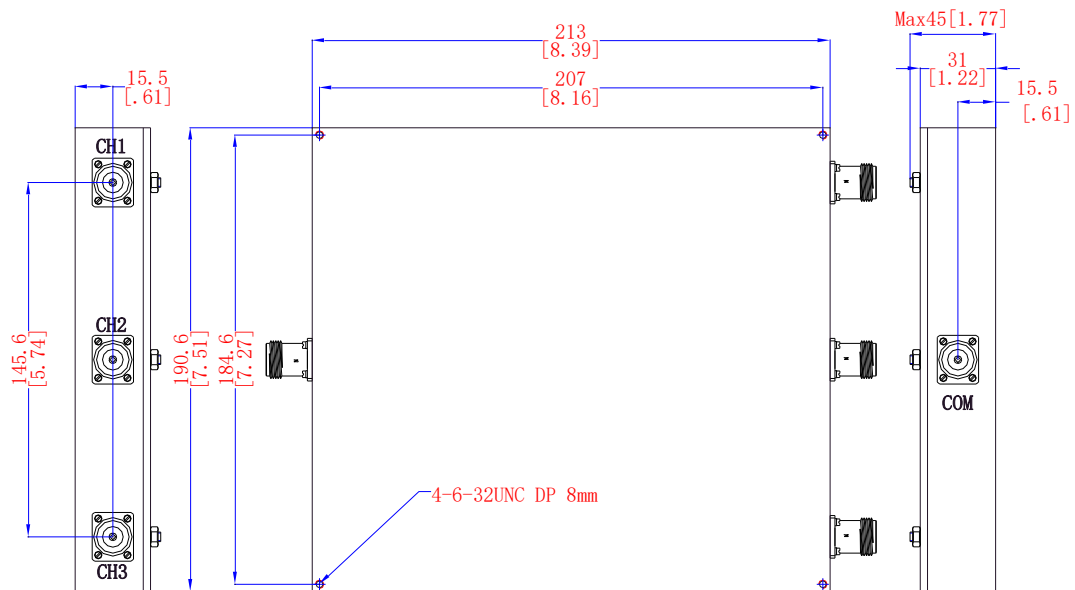
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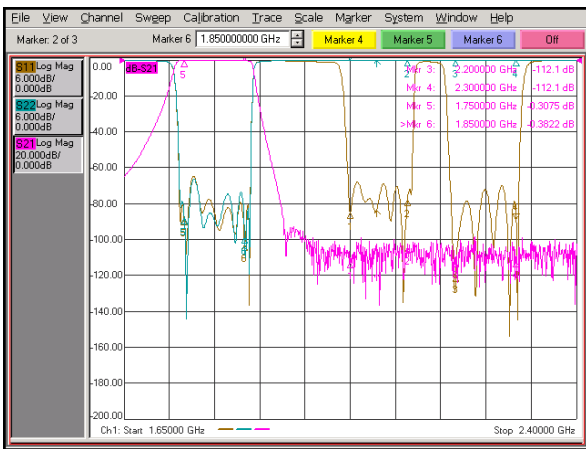
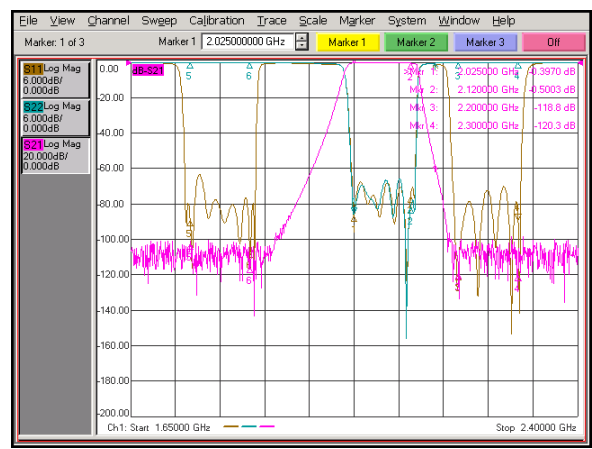
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Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
COM Connector	N-Female (50Ω)	Operating Temp.	0°C to +70°C
CH1,CH2,CH3 Connectors	N-Female (50Ω)	Storage Temp.	-55°C to +85°C
ROHS	Yes	Environment Class	TBD
Material	Aluminum (6061)	Altitude	30,000 ft.
Weight(Kg)	TBD		(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 $\pm 0.3(0.012)$


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Test Plot

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