

50 ohms Cavity Quadruplexer

SN:2021-210813 Version: A0



Cavity Quadruplexer

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



Electrical Specifications						
Parameters	Units		COM-CH1	COM-CH2	COM-CH3	COM-CH4
Pass Band Frequency	MHz		838-950	1095-1365	1536-1627	2285-2515
Insertion Loss	dB	Max	0.8	0.8	0.8	0.8
Ripple	dB	Max	0.5	0.5	0.5	0.5
Return Loss	dB	Min	12	12	12	12
Group Delay Variation	ns	Max	TBD	TBD	TBD	TBD
Phase Matching	deg	Max	TBD	TBD	TBD	TBD
Rejection	dB	Min	≥60dB@765MHz, ≥60dB@1040MHz	≥60dB@985MHz, ≥60dB@1515MHz	≥60dB@1440MHz, ≥60dB@1730MHz	≥60dB@1890MHz, ≥60dB@3035MHz
Isolation	TBD					
Power Handling	150W max					
Port Sign	Port 1: COM ; Port 2:CH1 ; Port 3: CH2 ;Port 4: CH3; Port 5: CH4					

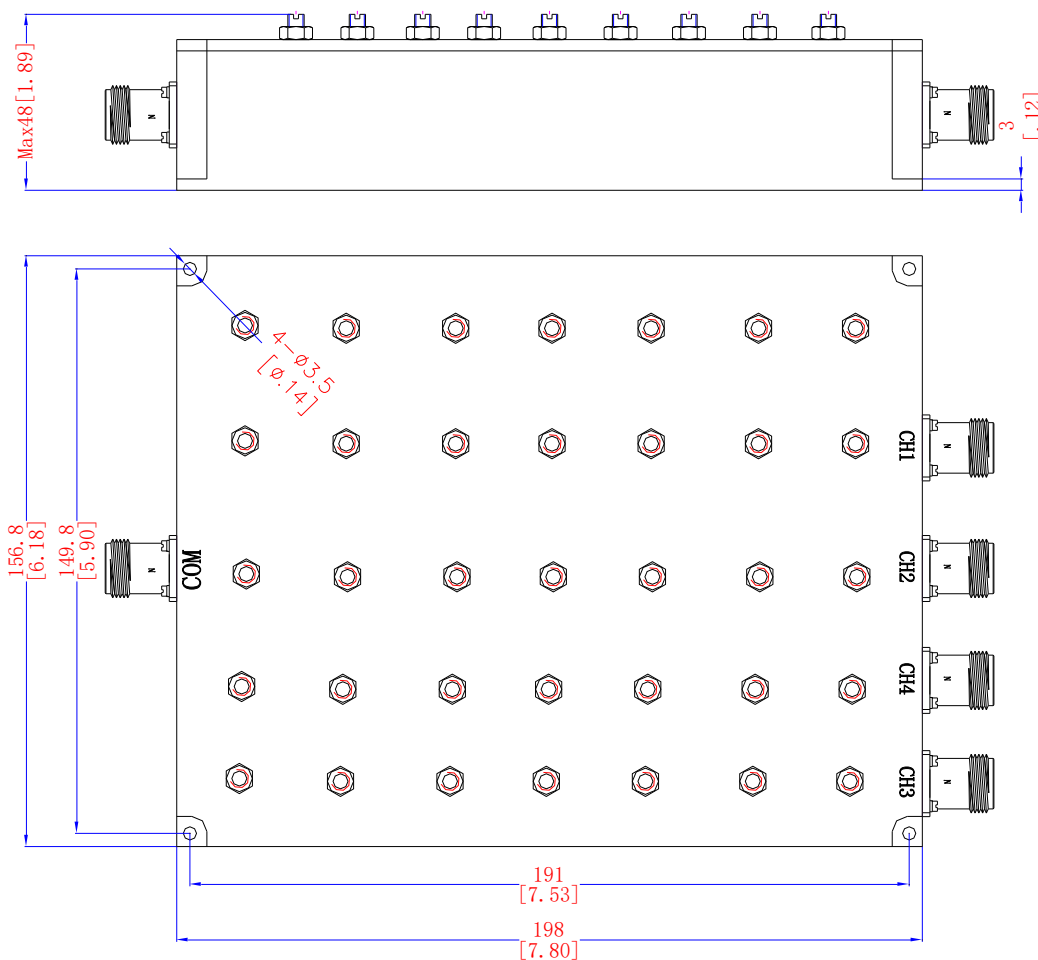
50 ohms Cavity Quadruplexer

SN:2021-210813 Version: A0

Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
COM Connector	N-Female (50Ω)	Operating Temp.	0°C to +70°C
CH1,CH2,CH3,CH4 Connectors	N-Female (50Ω)	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 ± 0.3 (0.012)

CHENGDU FILTER TECHNOLOGY CO.,LTD

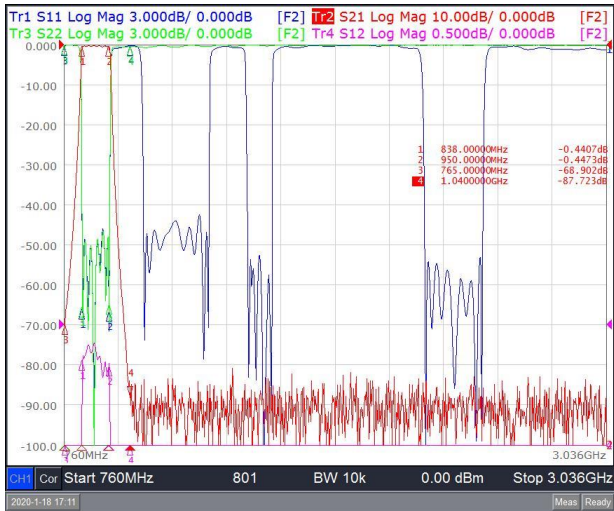
Fax/Tel:+86-28-65023127

E-mail: sales@filter-mw.com | Web: www.filter-mw.com

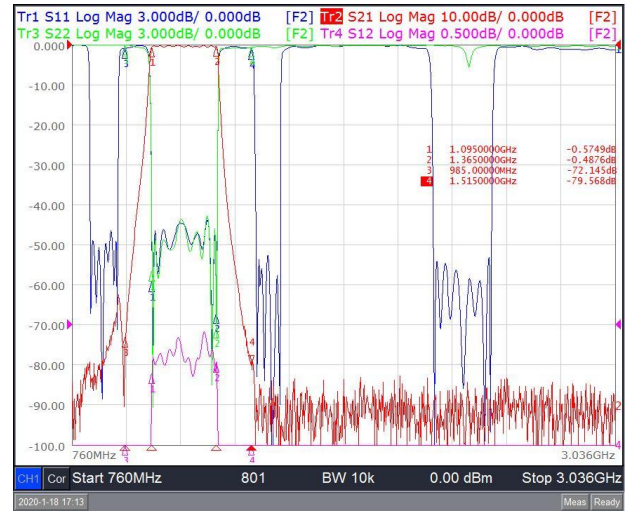
50 ohms Cavity Quadruplexer

SN:2021-210813 Version: A0

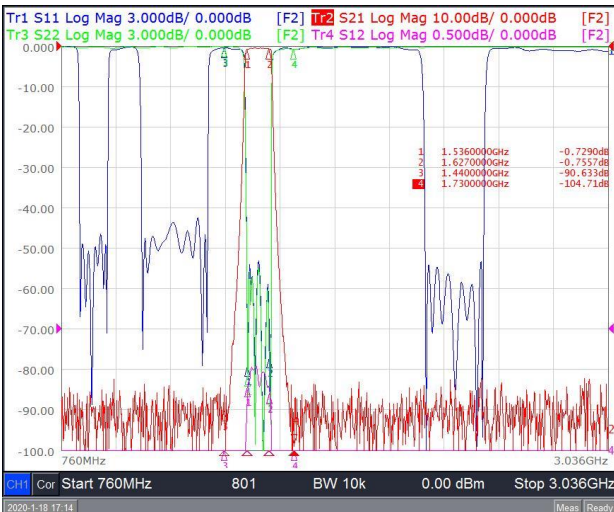
Test Plot



Test Plot



Test Plot



Test Plot

