



### Lowpass Filter

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



Electrical Specifications			
Parameters	Units		Specifications
Pass Band Frequency	MHz		DC-12000
Insertion Loss	dB	Max	1.2
Ripple	dB	Max	TBD
Return Loss	dB	Min	11
Group Delay Variation	ns	Max	TBD
Phase Matching	deg	Max	TBD
Rejection	≥25dB@14400MHz, ≥55dB@18000MHz, ≥55dB@23000-25000MHz		
Power Handling	50W cw max		

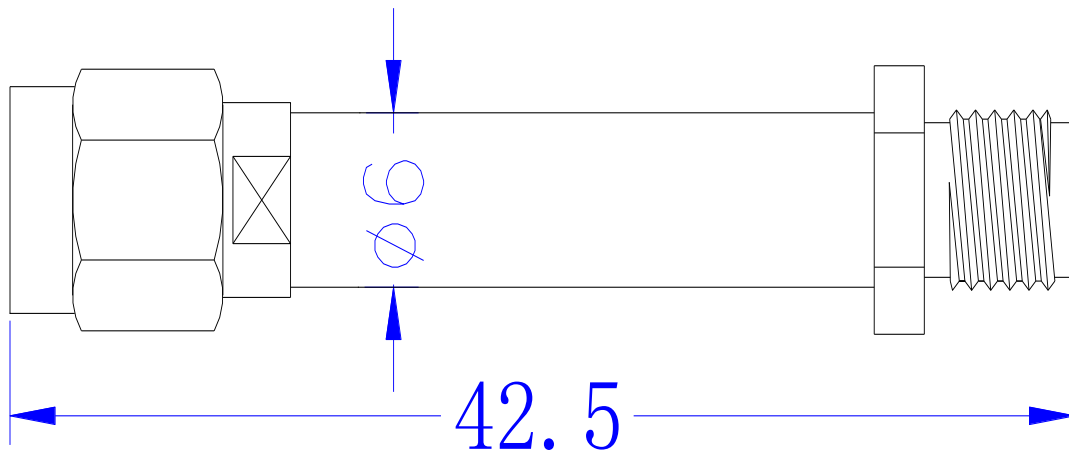
**50 ohms Coaxial Tubular Low Pass Filter**
**SN:1348-170608**
**Version: A0**

Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
Input Connectors	SMA-Male (50Ω)	Operating Temp.	-40°C to +70°C
Output Connectors	SMA-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)

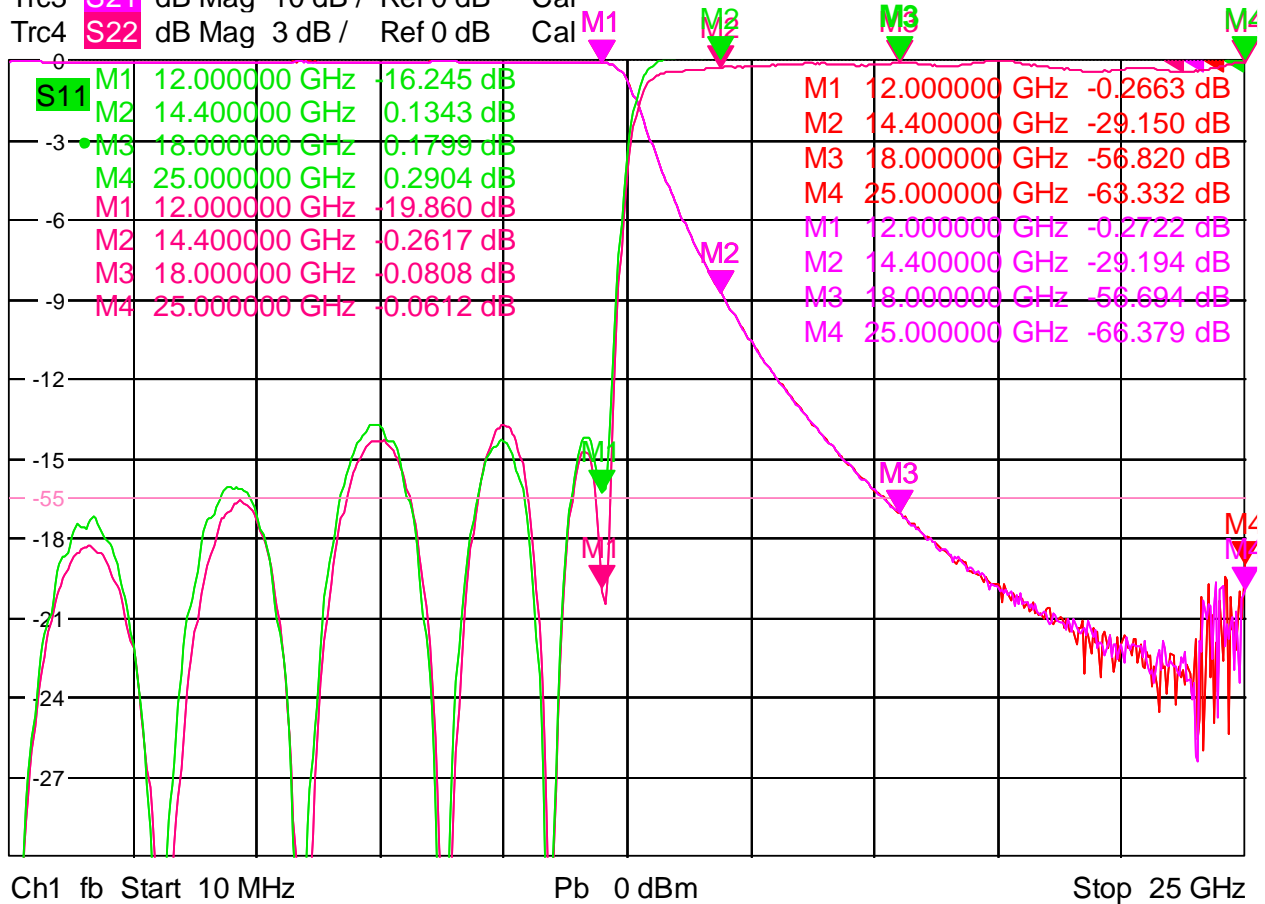
Outline Tolerances  $\pm 0.3(0.012)$



## Test Plot

Trc1 **S11** dB Mag 3 dB / Ref 0 dB Cal  
 Trc2 **S12** dB Mag 10 dB / Ref 0 dB Cal  
 Trc3 **S21** dB Mag 10 dB / Ref 0 dB Cal  
 Trc4 **S22** dB Mag 3 dB / Ref 0 dB Cal

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