

UHF Bandpass Filter (BW 33 MHz)



**Vibration- & Shock-
Resistant**

**Power Handling of 40W
TNC Female Connectors
IL $\leq$ 0.7 dB in Pass-band
For Outdoor Use – IP65**

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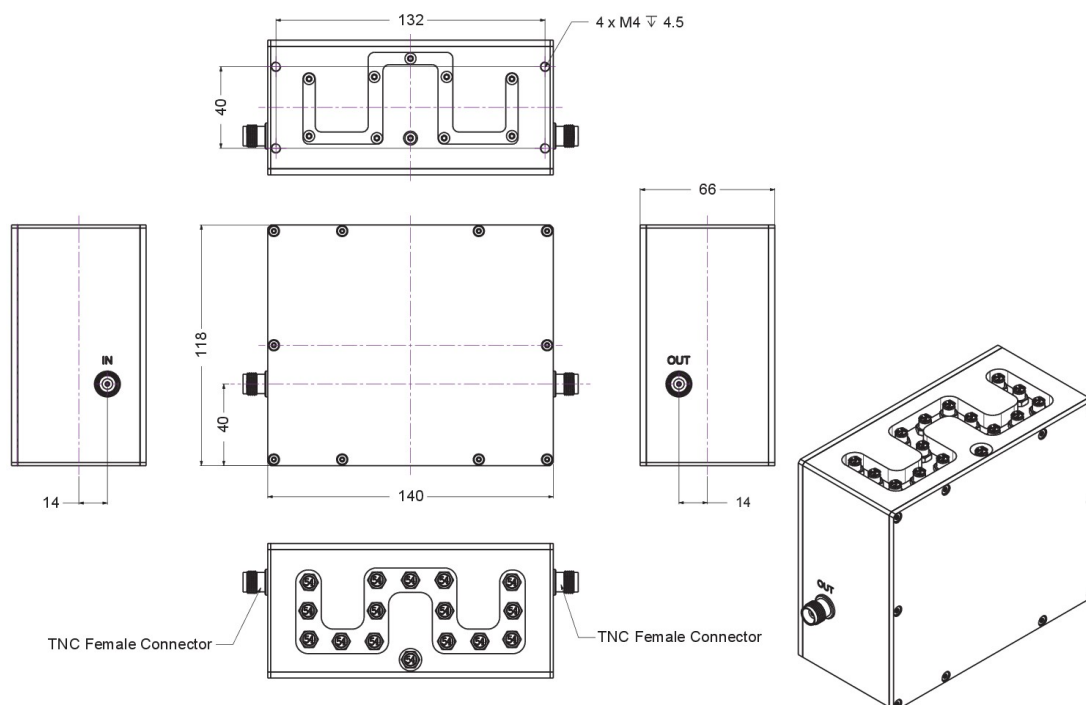
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MW&TVC presents a new UHF bandpass filter (BW=33 MHz) with insertion loss $IL \leq 0.7$ dB in the whole pass-band. It is vibration- and shock- resistant for military applications and IP65 for outdoor use.

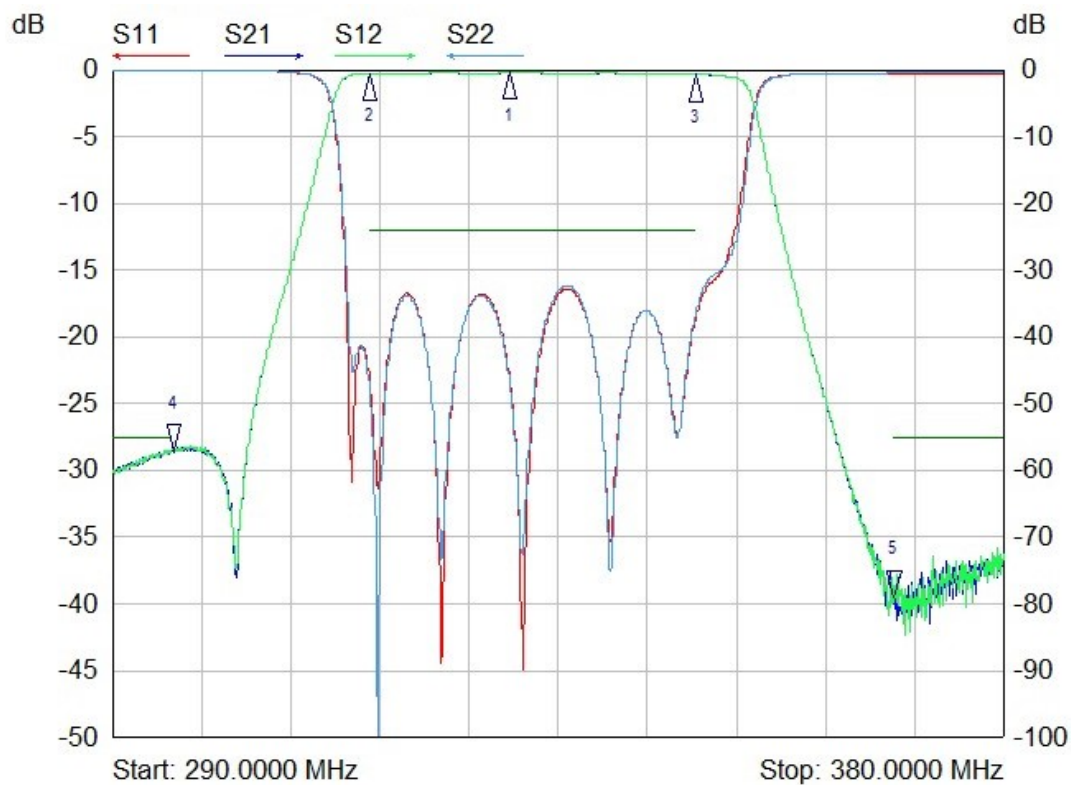
Main Characteristics

Part Number	SR-F00300-PPT
Passband	316 ÷ 349 MHz
Return Loss	≥ 14 dB
Insertion Loss	≤ 0.7 dB
Rejection @ 296 MHz and 369 MHz	≥ 55 dB
Power Handling	40W max.
Temperature Range	-40 ÷ +70 °C
Input/output Connectors	2 x TNC Female
Finishing	Black Epoxy Painting
Dimensions	139 x 110 x 64 mm
Shock resistant	20g, 11 msec half saw tooth
Vibration resistant	Vibration test, MIL-STD-810F, Method 514.5, procedure I Propeller aircraft

Mechanical Outline



Typical Frequency Response



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S21	330.0000 MHz	-0.39 dB	
2 ▽	S21	316.0000 MHz	-0.56 dB	
3 ▽	S21	349.0000 MHz	-0.64 dB	
4 ▽	S21	296.0000 MHz	-57.20 dB	
5 ▽	S21	369.0000 MHz	-79.04 dB	