

## 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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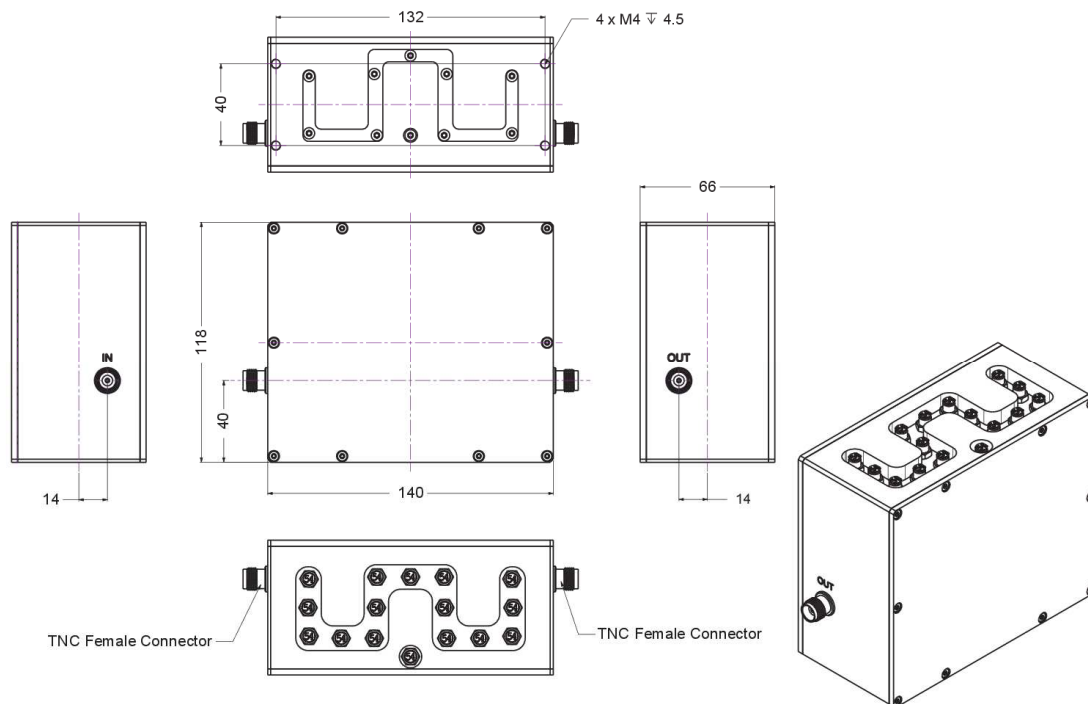
## Microwave components for telecommunication systems

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.

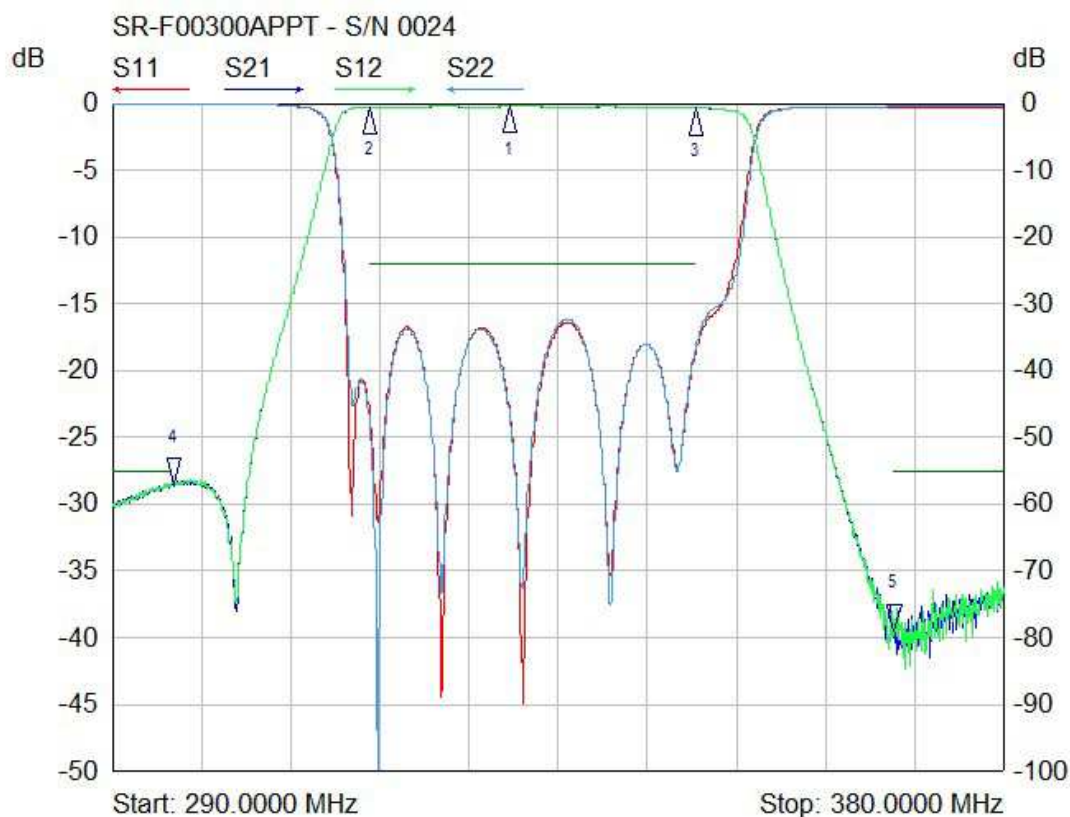
### Main Characteristics

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

### 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	