

## «Perfo Box» series of Filters and MultiPlexers

### TriPlexer PB-TP1500, 10-18-24MHz, 1500Watts ICAS\*

\* Intermittent Commercial and Amateur Service, (CW - 50% Duty cycle)

SKU: PB-TP1500301812

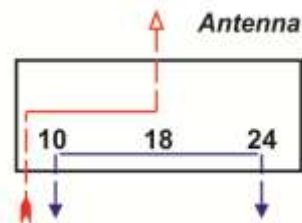
#### Typical specifications:

Subject to change without prior notice, **please see attached actual specification as measured**

- Impedance: 50 Ohms
- Maximum ICAS power per band port: 1500W
- Maximum ICAS power at antenna port: 3000W, (please see [Application notes](#))
- VSWR:  $\leq 1,2:1$
- Return loss:  $\geq 20\text{db}$
- Size: 275 x 245 x 105 mm / 10,8" x 9,5" x 4,1"
- Net weight:  $\leq 2,1\text{ kg} / 4,6\text{ lbs}$

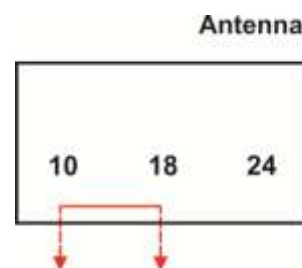
**Band INPUT to Antenna OUTPUT**, insertion loss (S11) and adjacent bands attenuation (S21), worst possible numbers **at the band edges** rounded to 0,05db / 5db, unused port terminated 50 ohms:

Transmit	Receive level, db.:		
	10	18	24
10	$\leq -0,2$	$\geq -45$	$\geq -50$
18	$\geq -45$	$\leq -0,2$	$\geq -35$
24	$\geq -45$	$\geq -40$	$\leq -0,2$



**Band to Band, Isolation from port to port (S21)**, worst possible numbers **at the band edges** rounded to 5db, Antenna and unused port terminated 50 ohms:

Transmit	Receive level, db.:		
	10	18	24
10	-	$\geq -45$	$\geq -50$
18	$\geq -45$	-	$\geq -45$
24	$\geq -45$	$\geq -40$	-



QC:

28 May, 2020

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**LowBandSystems**

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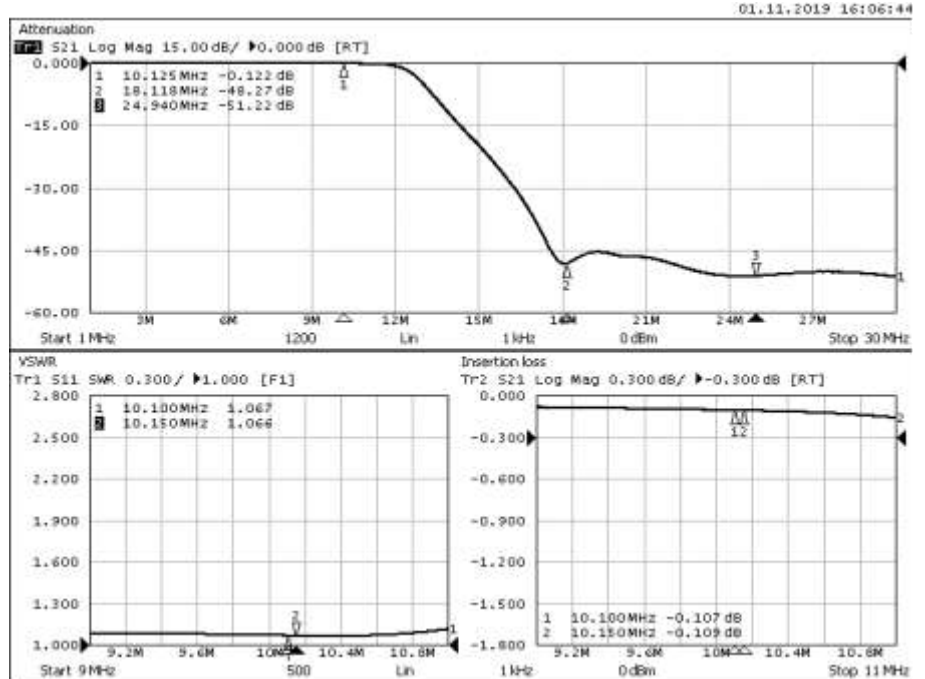
[www.lowbandsystems.com](http://www.lowbandsystems.com)

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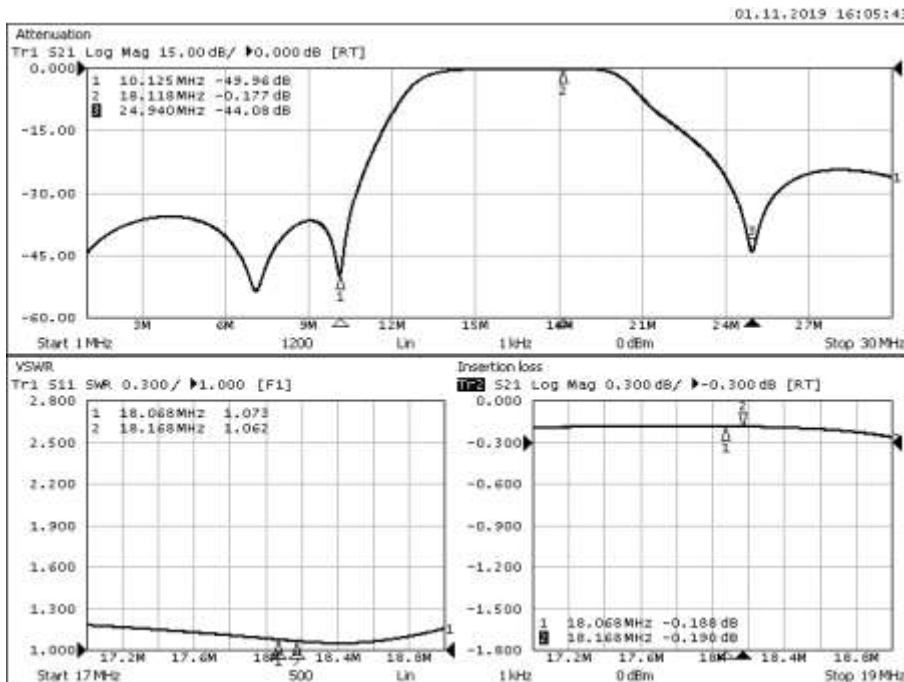
### TriPlexer PB-TP1500, 10-18-24MHz, 1500Watts ICAS

Specification as measured, serial number #1119-345:

**10MHz port:** Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



**18MHz port:** Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



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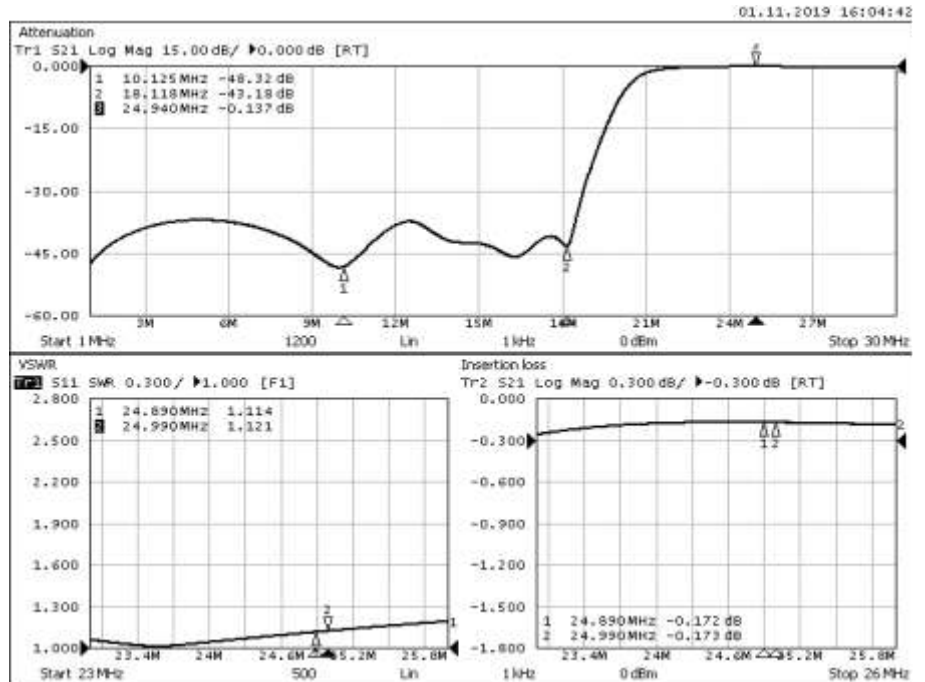
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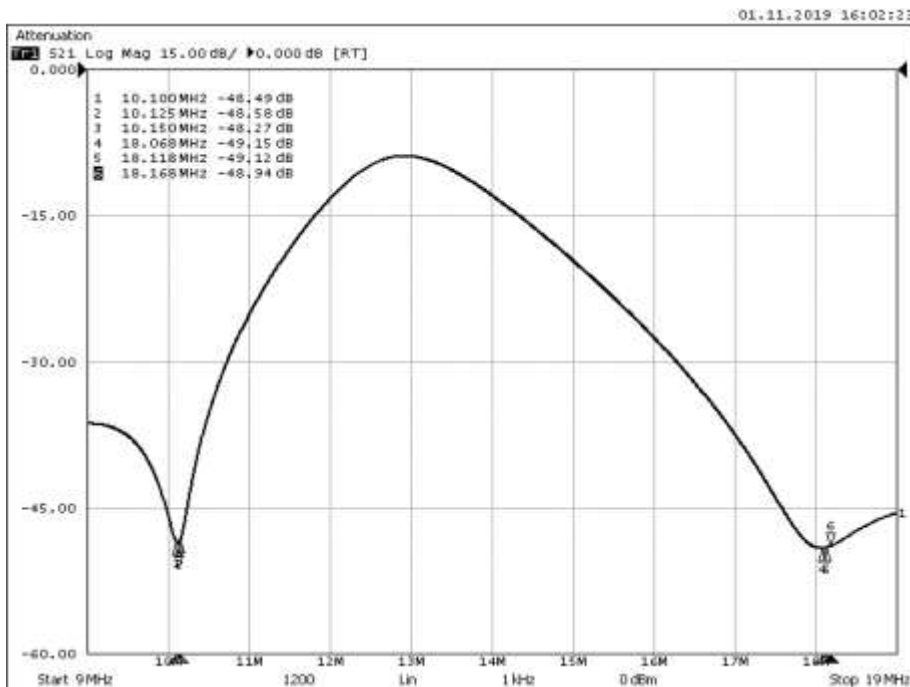
### TriPlexer PB-TP1500, 10-18-24MHz, 1500Watts ICAS

Specification as measured, serial number #1119-345:

**24MHz port:** Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



**Isolation:** 10MHz port to 18MHz port



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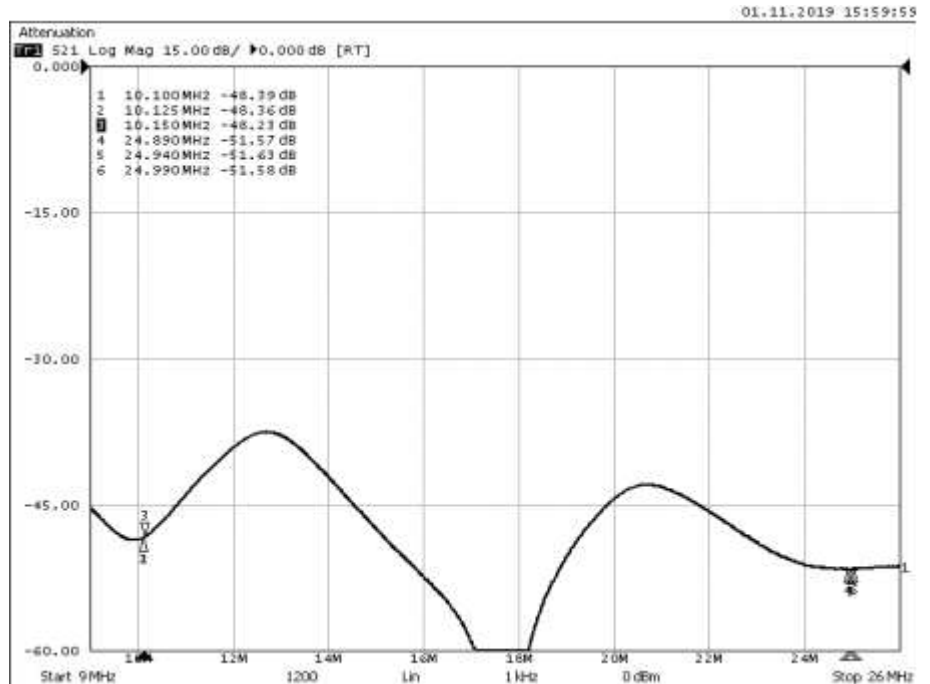
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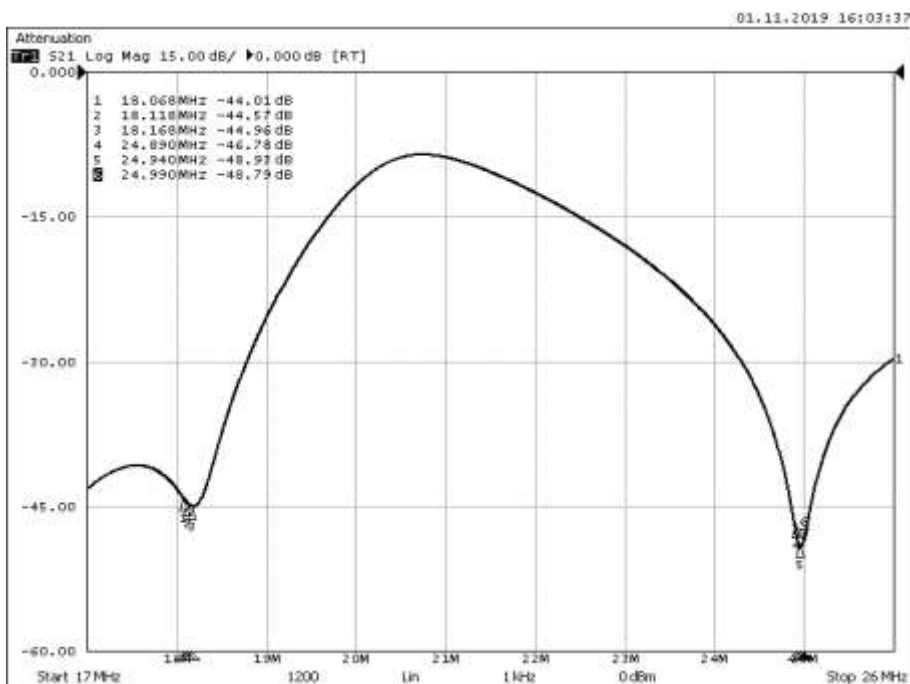
### TriPlexer PB-TP1500, 10-18-24MHz, 1500Watts ICAS

Specification as measured, serial number #1119-345:

**Isolation:** 10MHz port to 24MHz port



**Isolation:** 18MHz port to 24MHz port



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