

«Perfo Box» series of Filters and MultiPlexers

TriPlexer PB-TP4500, 14-21-28MHz*, 4500Watts ICAS**

* 10 meter band: 28,000 ÷ 29,000Mhz

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

SKU: PB-TP4500

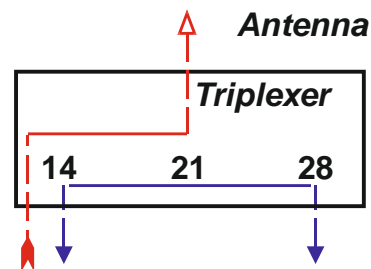
Typical specifications

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

- Impedance: 50 Ohms
- Maximum ICAS power per band port: 4500W
- Maximum ICAS power at antenna port: 9000W, (please see [Application notes](#))
- VSWR: $\leq 1,2:1$
- Return loss: $\geq 20\text{db}$
- Size: 285 x 255 x 125 mm / 11,2" x 10,0" x 4,2"
- Net weight, kg/lbs.: $\leq 2,8$ kg / 6,2 lbs.

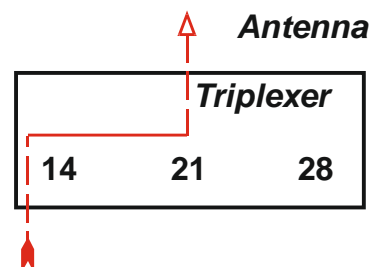
Band INPUT to Antenna OUTPUT, insertion loss (S11) and adjacent bands attenuation (S21), worst possible numbers at the band edges rounded to 5db, unused port terminated 50 ohms:

| Transmit | Receive level, db.: | | |
|-------------|---------------------|-------------|--------------|
| | 14 | 21 | 28 |
| 14 | $\leq -0,15$ | ≥ -30 | ≥ -35 |
| 21 | ≥ -30 | $\leq -0,3$ | ≥ -20 |
| 28.0 - 29.0 | ≥ -30 | ≥ -15 | $\leq -0,20$ |



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.: | | |
|-------------|---------------------|------------|------------|
| | 14 | 21 | 28 |
| 14 | - | ≥ -30 | ≥ -35 |
| 21 | ≥ -30 | - | ≥ -20 |
| 28.0 - 29.0 | ≥ -35 | ≥ -15 | - |



QC:

14 September, 2020

Page 1 of 4



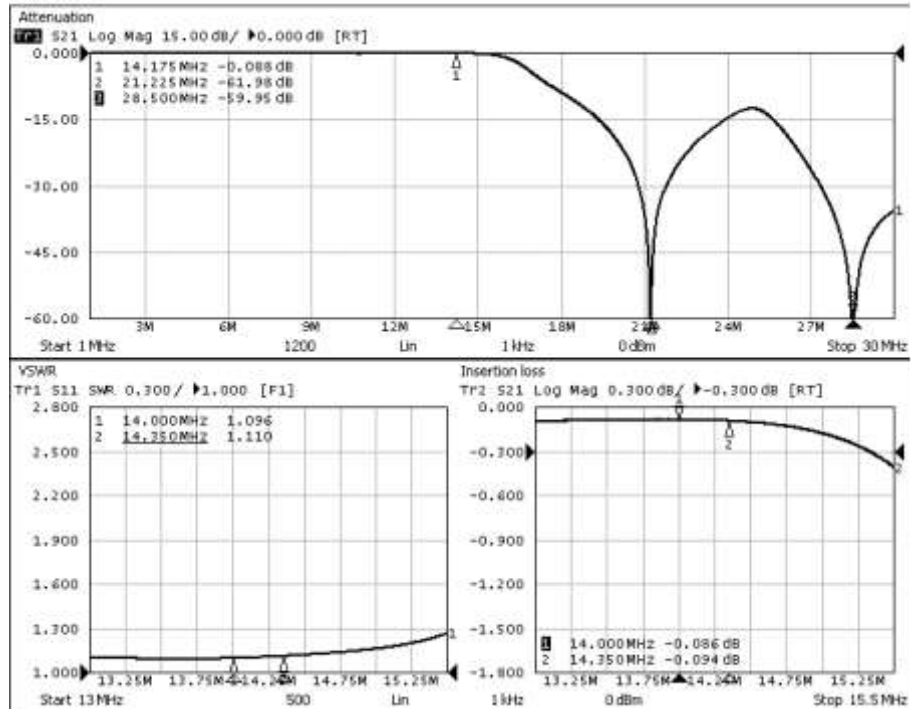
LowBandSystems
 Tel.: 007 918 557 45 07 (WhatsApp, Viber)
 E-mail: ra6lbs@gmail.com
 Volgodonsk, 347382, Russian Federation
www.lowbandsystems.com

«Perfo Box» series of Filters and MultiPlexers

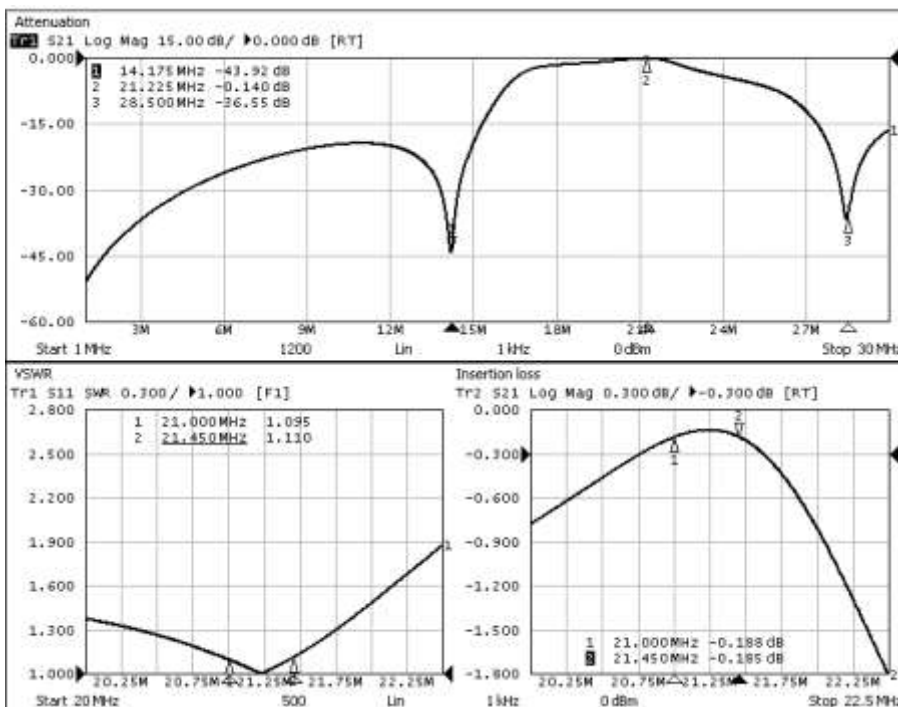
TriPlexer PB-TP4500, 14-21-28MHz, 4500Watts ICAS

Specification as measured, serial number #1119-372:

14MHz port: Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



21MHz port: Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



QC:

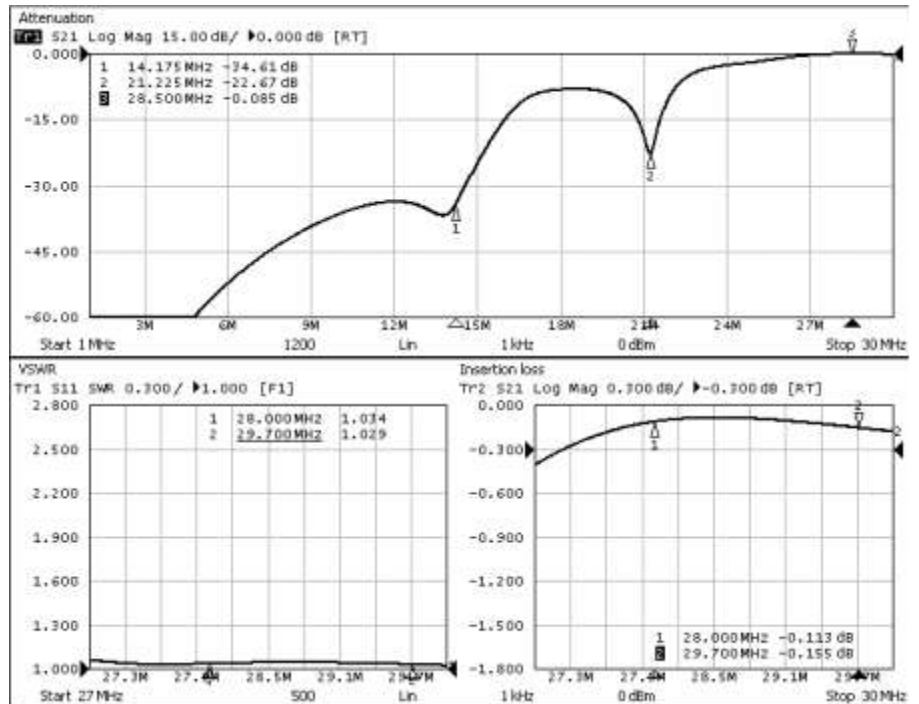


«Perfo Box» series of Filters and MultiPlexers

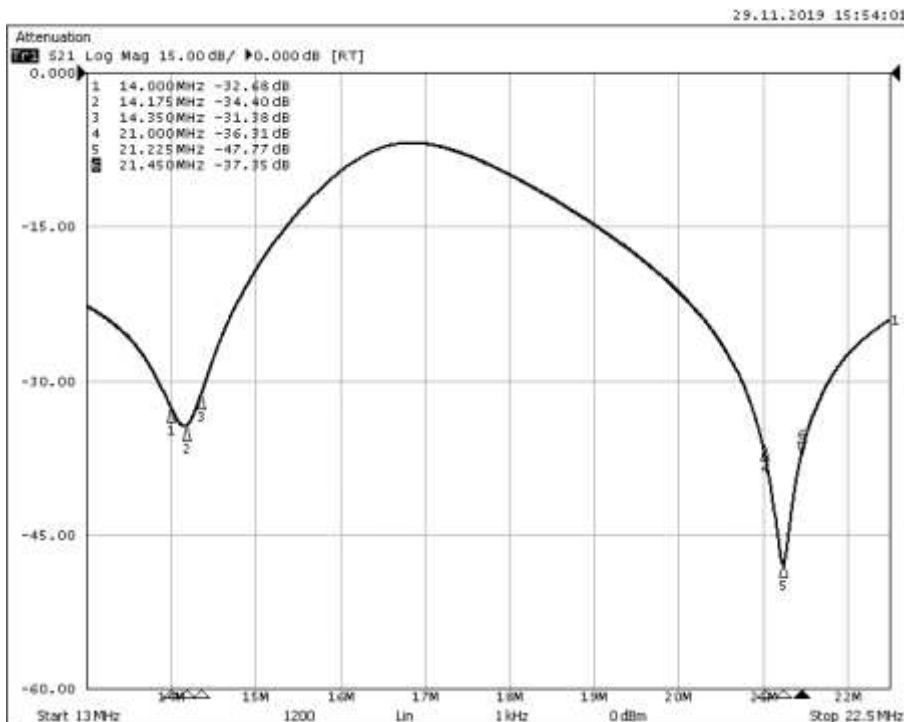
TriPlexer PB-TP4500, 14-21-28MHz, 4500Watts ICAS

Specification as measured, serial number #1119-372:

28MHz port: Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



Isolation: 14MHz port to 21MHz port



QC:

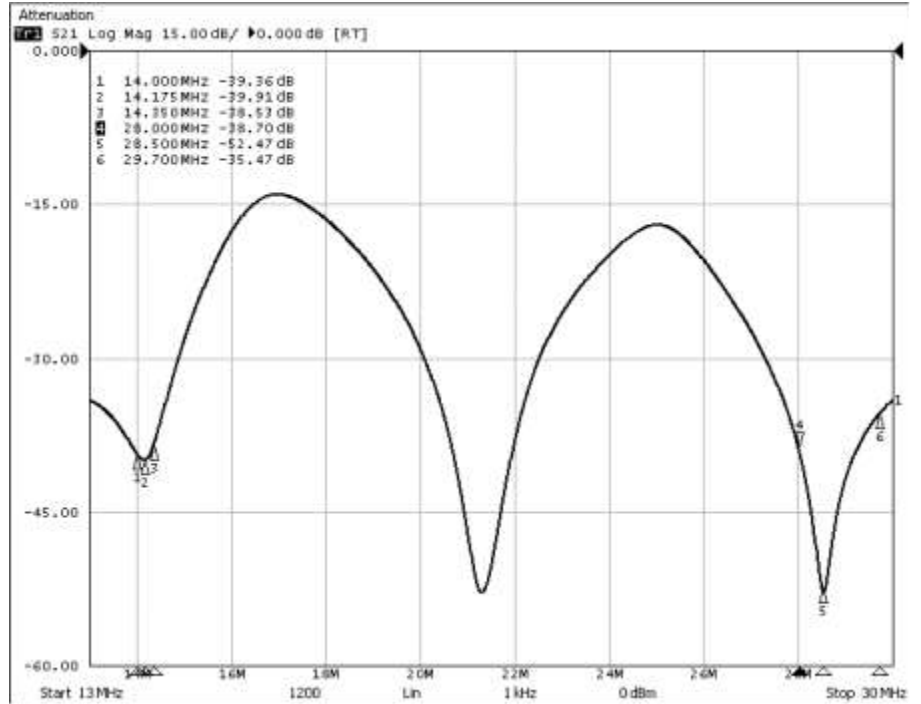


«Perfo Box» series of Filters and MultiPlexers

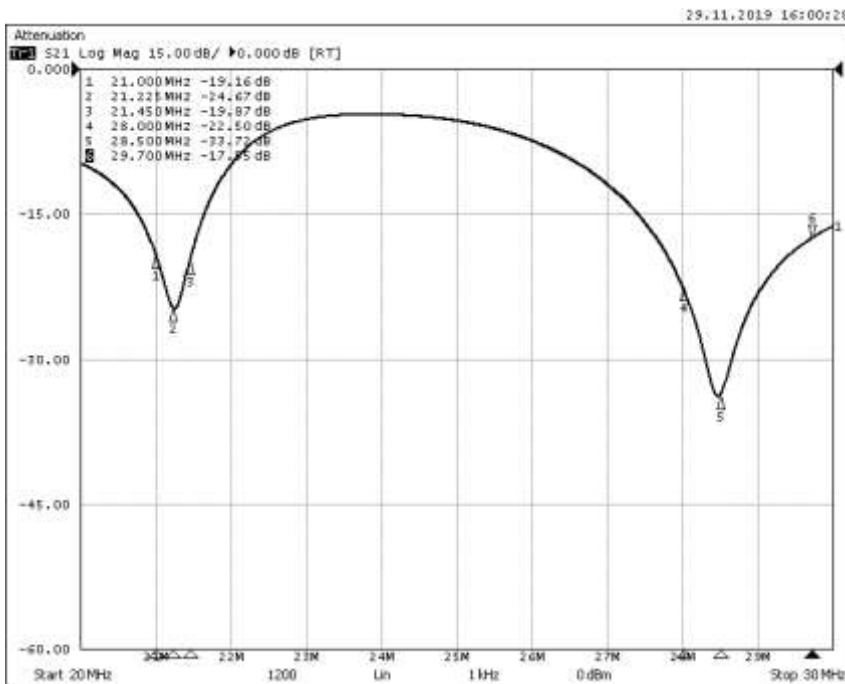
TriPlexer PB-TP4500, 14-21-28MHz, 4500Watts ICAS

Specification as measured, serial number #1119-372:

Isolation: 14MHz port to 28MHz port



Isolation: 21MHz port to 28MHz port



QC:

14 September, 2020

Page 4 of 4

