

«Perfo Box» series of Filters and MultiPlexers

TriPlexer PB-TP500, 14-21-28MHz*, 500Watts ICAS**

* 10 meter band: 28,000 ÷ 29,000Mhz

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

SKU: PB-TP500

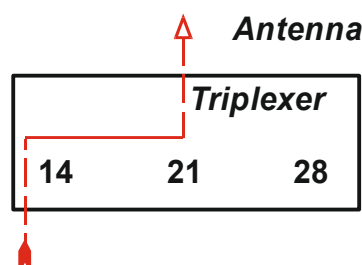
Typical specifications

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

- Impedance: 50 Ohms
- Maximum ICAS power per band port: 500W
- Maximum ICAS power at antenna port: 1000W, (please see [Application notes](#))
- VSWR: ≤1,2:1
- Return loss: ≥20db
- Size: 270 x 155 x 75 mm / 10,6" x 6,1" x 3,0"
- Net weight, kg/lbs.: ≤1,0 kg / 2,2 lbs.

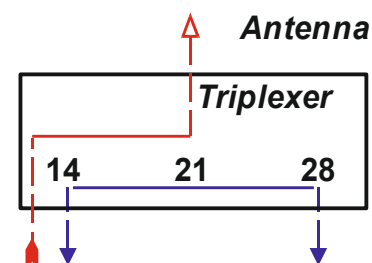
Band INPUT to Antenna OUTPUT, insertion loss (S11) and adjacent bands attenuation (S21), worst possible numbers **at the band edges** rounded to 0,05db / 5db, unused port terminated 50 ohms:

Transmit	Receive level, db.:		
	14	21	28
14	≤ -0,15	≥ -35	≥ -35
21	≥ -25	≤ -0,25	≥ -25
28	≥ -35	≥ -25	≤ -0,20



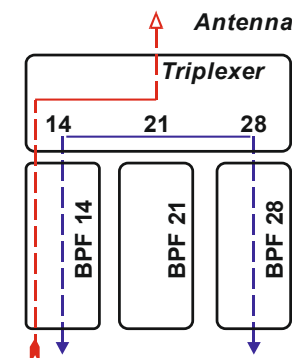
Band to Band, Isolation from port to port (S21), worst possible numbers **at the band edges** rounded to 5db, Antenna and unused port terminated 50 ohms:

Transmit	Receive level, db.:		
	14	21	28
14	-	≥ -35	≥ -35
21	≥ -25	-	≥ -20
28	≥ -35	≥ -25	-



Band INPUT to Antenna OUTPUT, insertion loss (S11) and **Band to Band Isolation from port to port** (S21), with **Band Pass Filters «Perfo Box-500»**, worst possible numbers **at the band edges** rounded to 0,05db / 5db, Antenna port and unused ports terminated 50 ohms:

Transmit	Receive level, db.:		
	14	21	28
14	≤ -0,5	≥ -95	≥ -95
21	≥ -75	≤ -0,6	≥ -85
28	≥ -80	≥ -80	≤ -0,7



QC:

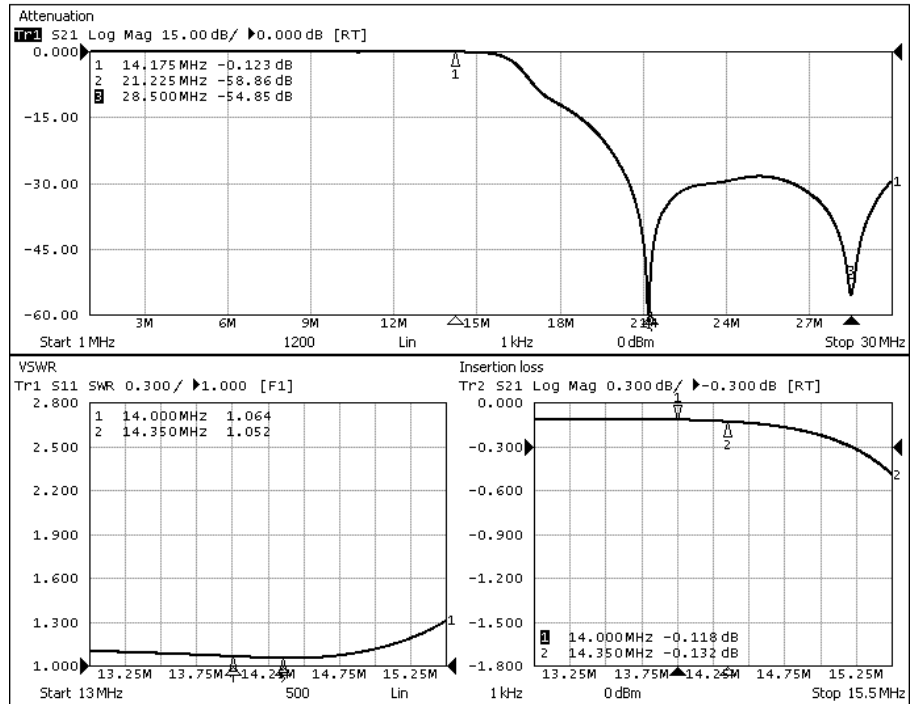


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Specification as measured, serial number #0420-184:

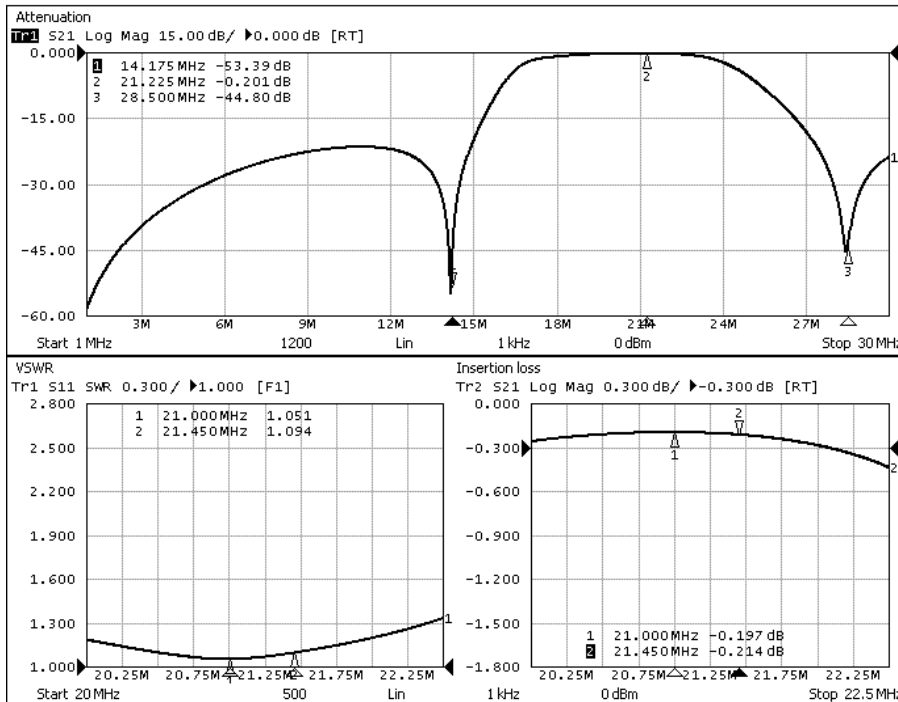
14MHz port: Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port

23.04.2020 15:51:10



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

23.04.2020 15:52:12



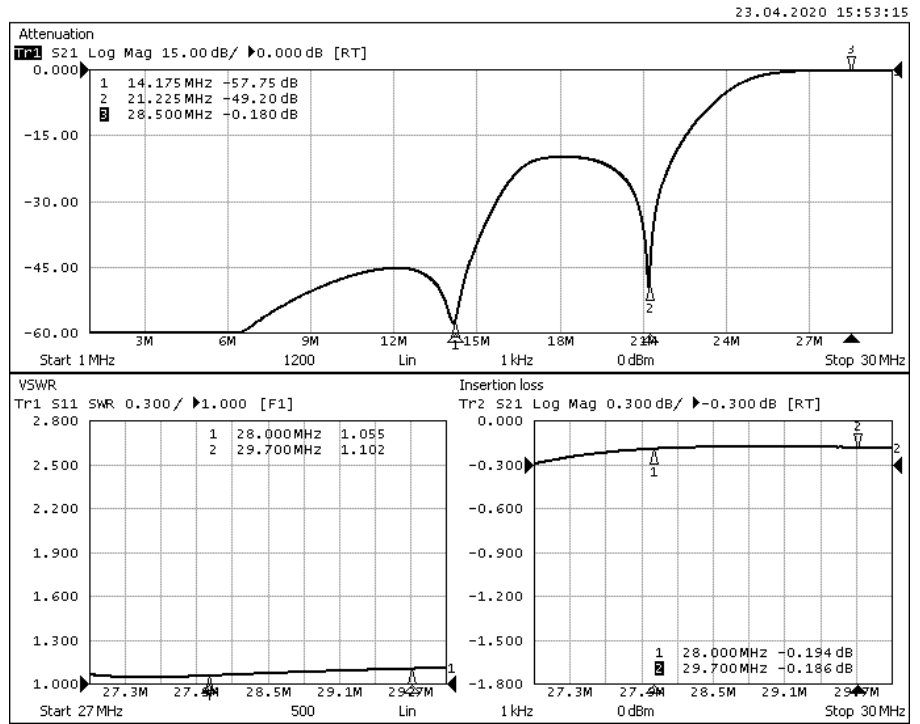
QC:



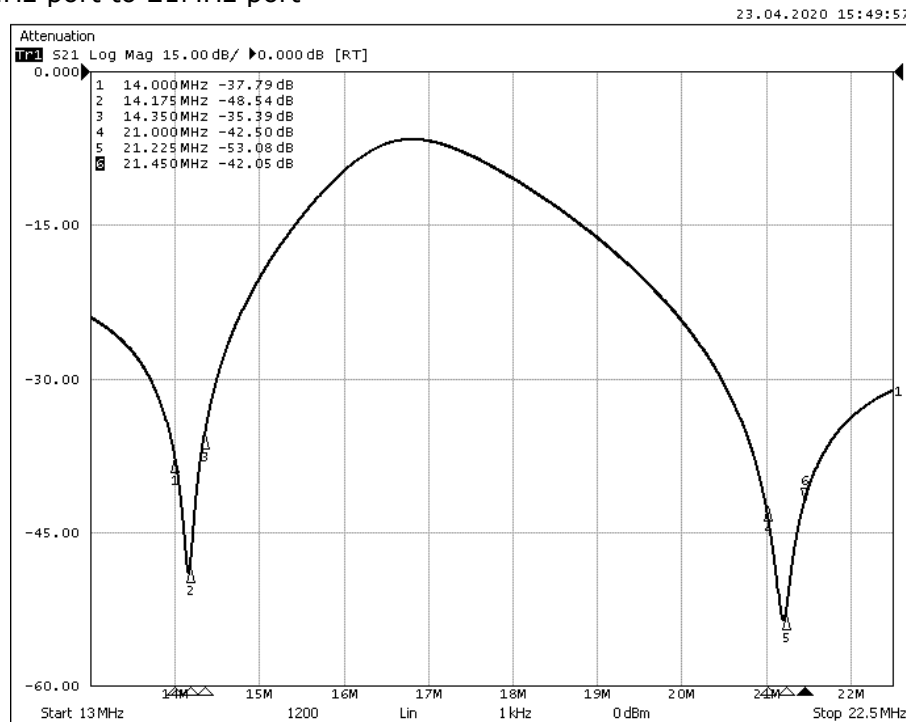
«Perfo Box» series of Filters and MultiPlexers
TriPlexer PB-TP500, 14-21-28MHz, 500Watts ICAS

Specification as measured, serial number #0420-184:

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



Isolation: 14MHz port to 21MHz port



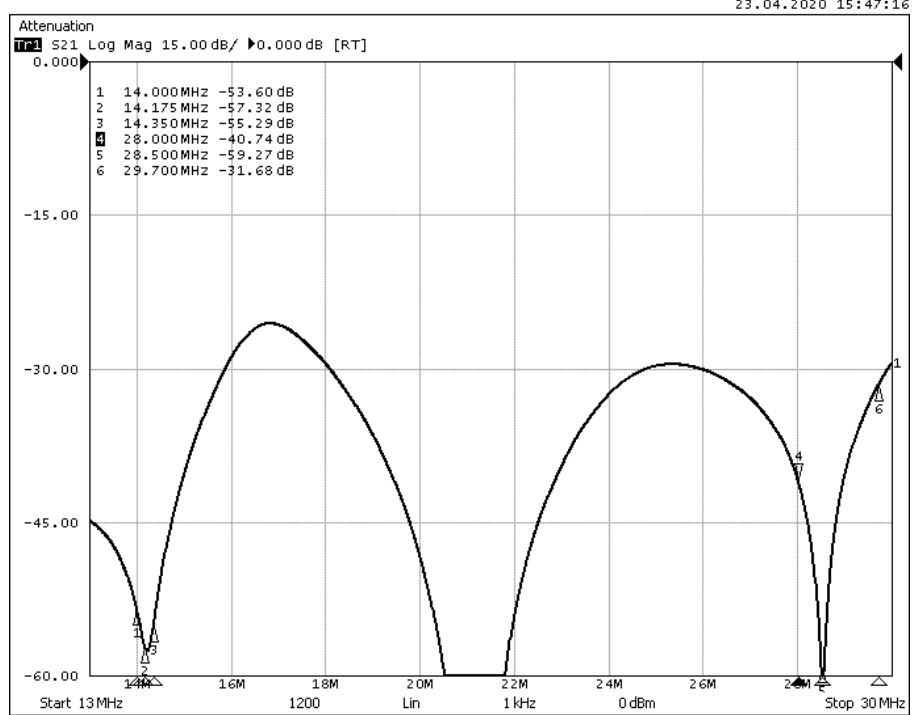
QC:



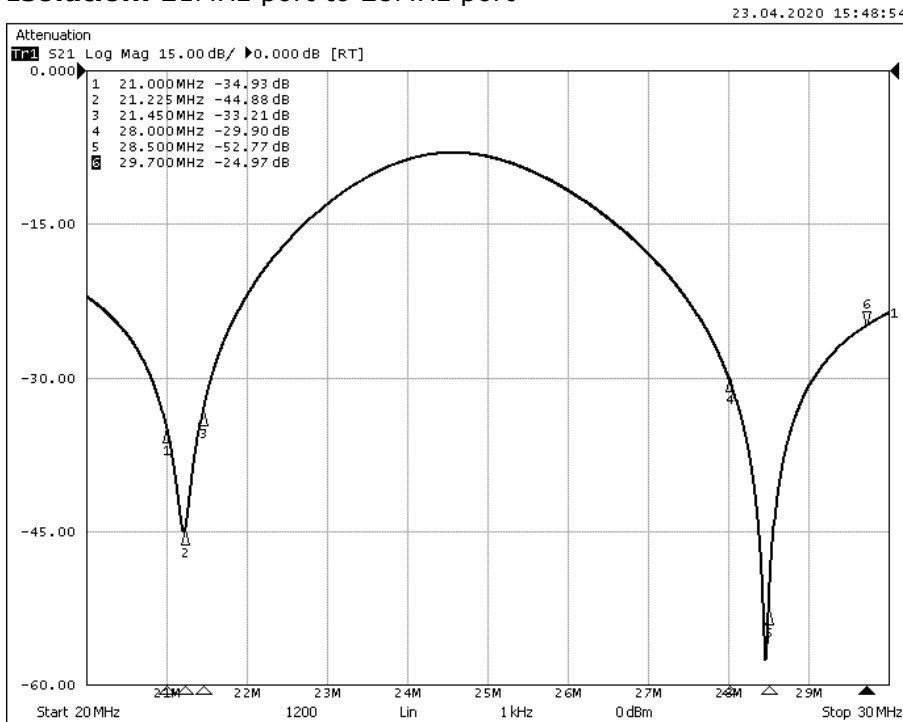
«Perfo Box» series of Filters and MultiPlexers
TriPlexer PB-TP500, 14-21-28MHz, 500Watts ICAS

Specification as measured, serial number #0420-184:

Isolation: 14MHz port to 28MHz port



Isolation: 21MHz port to 28MHz port



QC:

