

«Perfo Box» series of Filters and MultiPlexers

TriPlexer PB-TP1500, 14-21-28MHz*, 1500Watts ICAS**

* 10 meter band: 28,000 ÷ 29,000Mhz

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

SKU: PB-TP1500

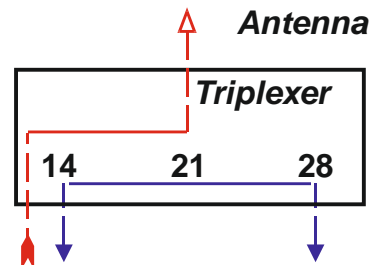
Typical specifications

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: ≤1,2:1
- Return loss: ≥20db
- Size: 275 x 245 x 105 mm / 10,8" x 9,5" x 4,1"
- Net weight, kg/lbs.: ≤2,1 kg / 4,6 lbs.

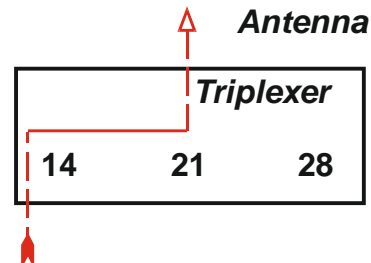
Band INPUT to Antenna OUTPUT, insertion loss (S11) and adjacent bands attenuation (S21), worst possible numbers at the band edges rounded to 5db, unused port terminated 50 ohms:

Transmit	Receive level, db.:		
	14	21	28
14	≤ -0,15	≥ -35	≥ -35
21	≥ -25	≤ -0,25	≥ -20
28.0 - 29.0	≥ -35	≥ -20	≤ -0,20



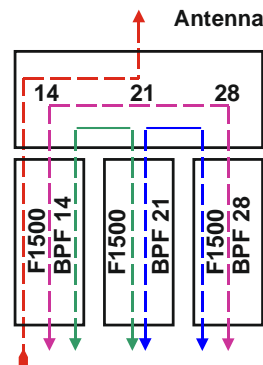
Band to Band, Isolation from port to port (S21), worst possible numbers at the band edges rounded to 5db, Antenna and unused port terminated 50 ohms:

Transmit	Receive level, db.:		
	14	21	28
14	-	≥ -35	≥ -35
21	≥ -25	-	≥ -15
28.0 - 29.0	≥ -35	≥ -20	-



Band INPUT to Antenna OUTPUT, insertion loss (S11) and **Band to Band Isolation from port to port** (S21), **with Band Pass Filters «Perfo Box-1500»**, worst possible numbers at the band edges rounded to 5db, Antenna port and unused ports terminated 50 ohms:

Transmit	Receive level, db.:		
	14	21	28
14	≤ -0,6	≥ -95	≥ -95
21	≥ -60	≤ -0,6	≥ -80
28.0 - 29.0	≥ -85	≥ -70	≤ -0,6



QC:

3 July, 2020

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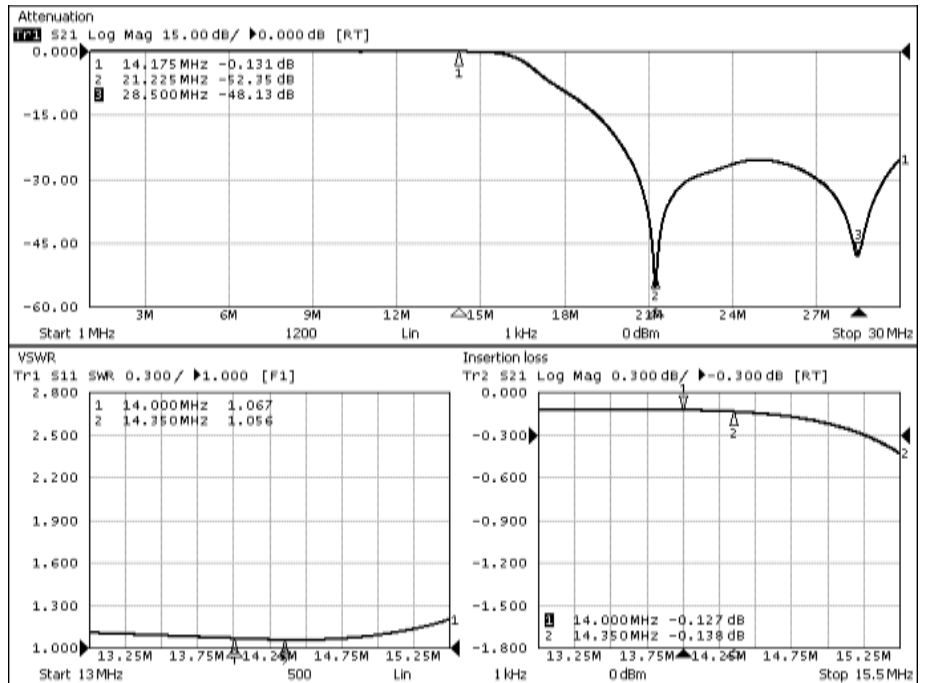
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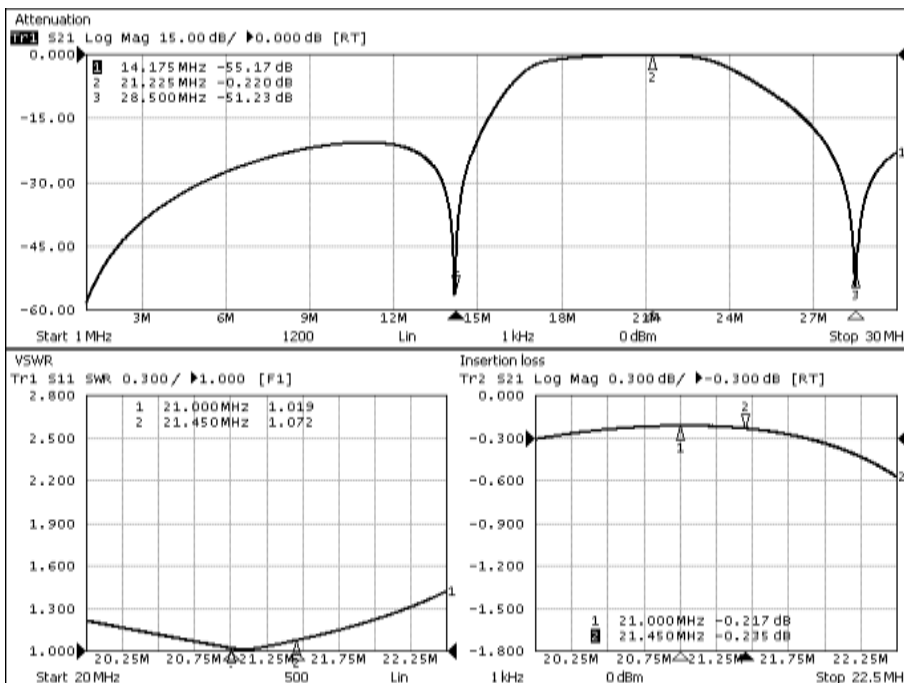
TriPlexer PB-TP1500, 14-21-28MHz, 1500Watts ICAS

Specification as measured, serial number #0818-487:

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



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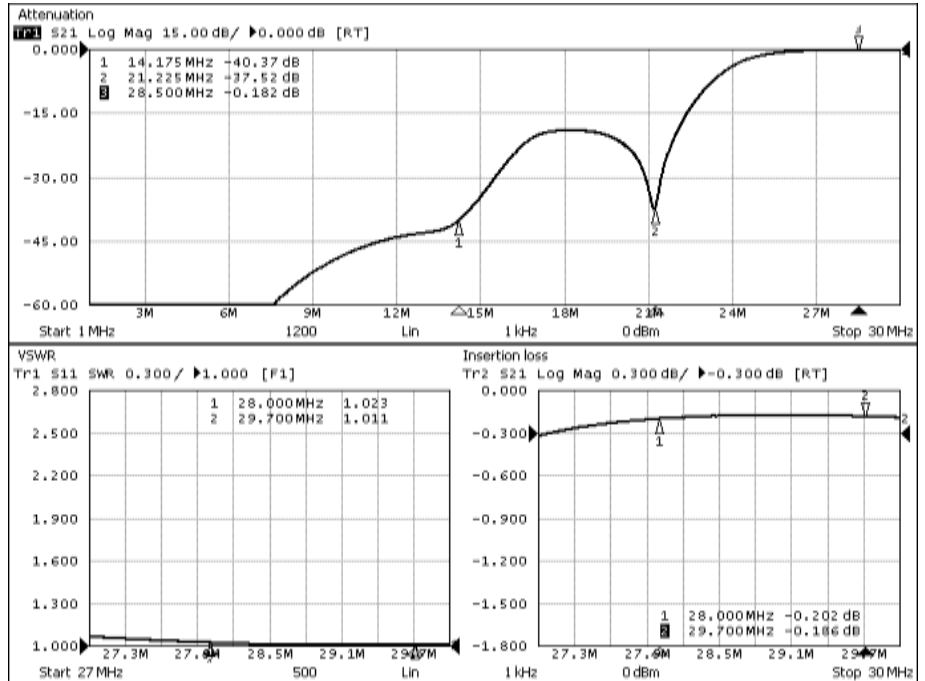


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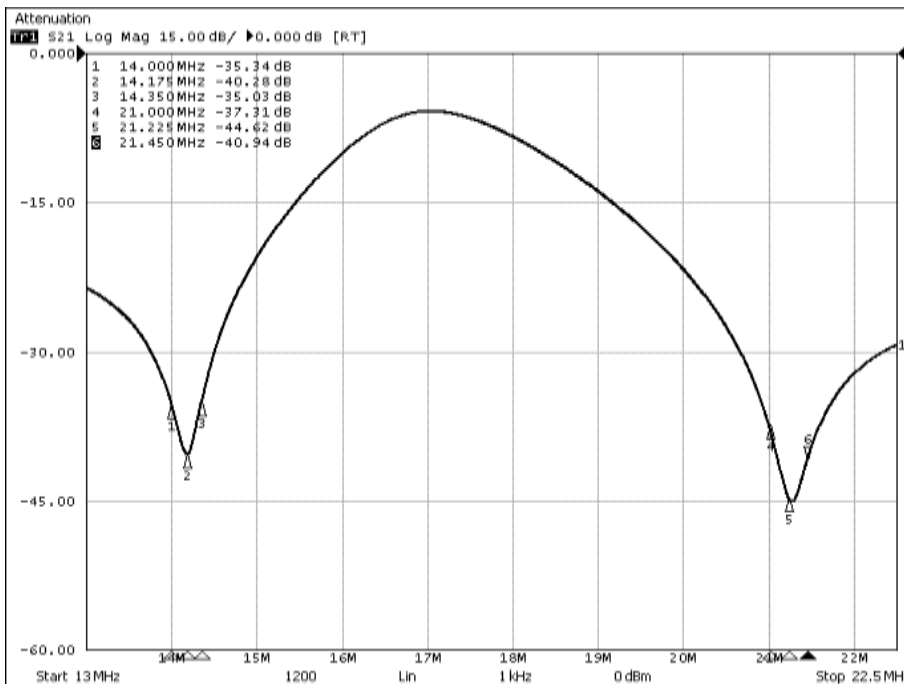
TriPlexer PB-TP1500, 14-21-28MHz, 1500Watts ICAS

Specification as measured, serial number #0818-487:

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



Isolation: 14MHz port to 21MHz port



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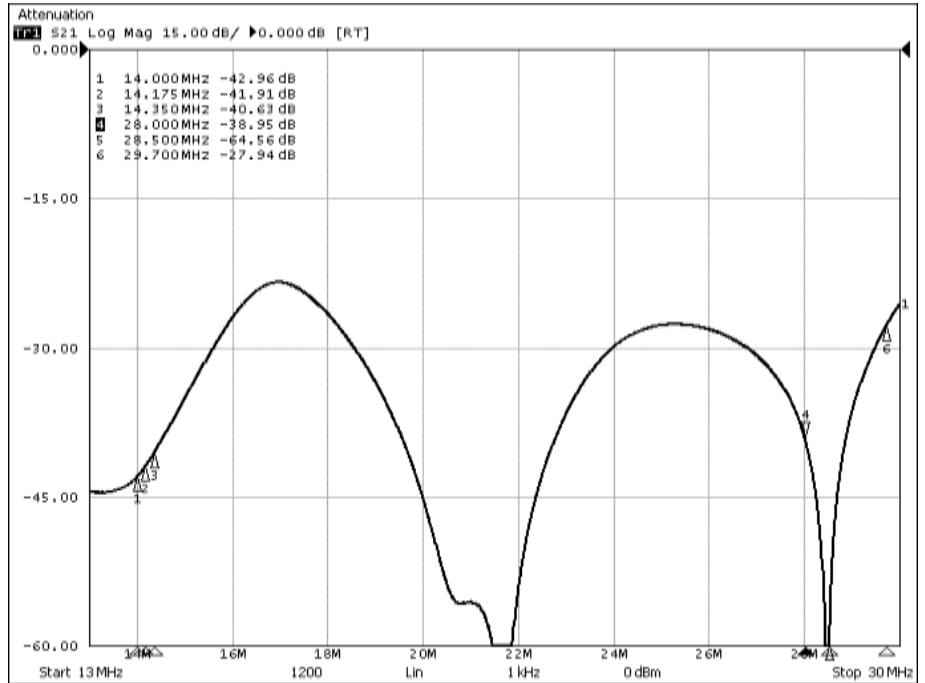
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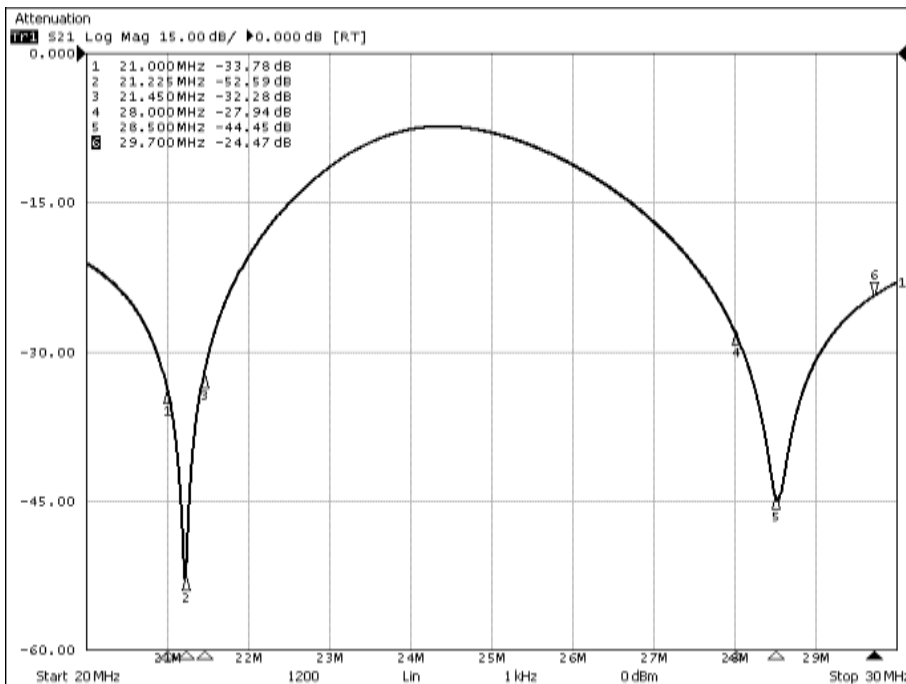
TriPlexer PB-TP1500, 14-21-28MHz, 1500Watts ICAS

Specification as measured, serial number #0818-487:

Isolation: 14MHz port to 28MHz port



Isolation: 21MHz port to 28MHz port



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