

«Perfo Box» series of Filters and MultiPlexers

DiPlexer PB-DP500, 3.5 / 7MHz*, 500Watts ICAS**

* 80 meter band: 3,500 ÷ 4,000Mhz; 40 meter band: 7,000 ÷ 7,400Mhz

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

SKU: PB-DP500-3.5/7

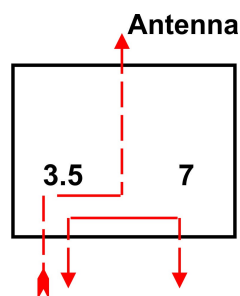
Typical specifications:

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: 200 x 155 x 85 mm / 7,9" x 6,1" x 3,3"
- Net weight: ≤0,65 kg / 1,4 lbs

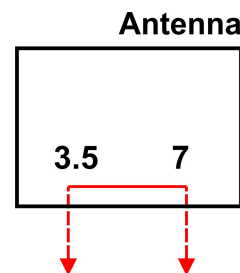
Band INPUT to Antenna OUTPUT, insertion loss (S11) and adjacent bands attenuation (S21), worst possible numbers **at the band edges** rounded to 0,05db / 5db, unused port terminated 50 ohms:

Transmit	Receive level, db.:	
	3.5	7
3.5 - 4.0	≤-0.15	≥ -25
7	≥ -20	≤-0.15



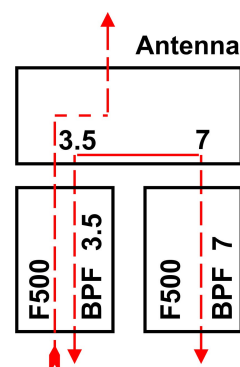
Band to Band, Isolation from port to port (S21), worst possible numbers **at the band edges** rounded to 5db, Antenna and unused port terminated 50 ohms:

Transmit	Receive level, db.:	
	3.5	7
3.5 - 4.0	-	≥ -25
7	≥ -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-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.:	
	3.5	7
3.5 - 4.0	≤-0.45	≥ -85
7	≥ -50	≤-0.35



QC:

10 March, 2020

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LowBandSystems

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Volgodonsk, 347382, Russian Federation

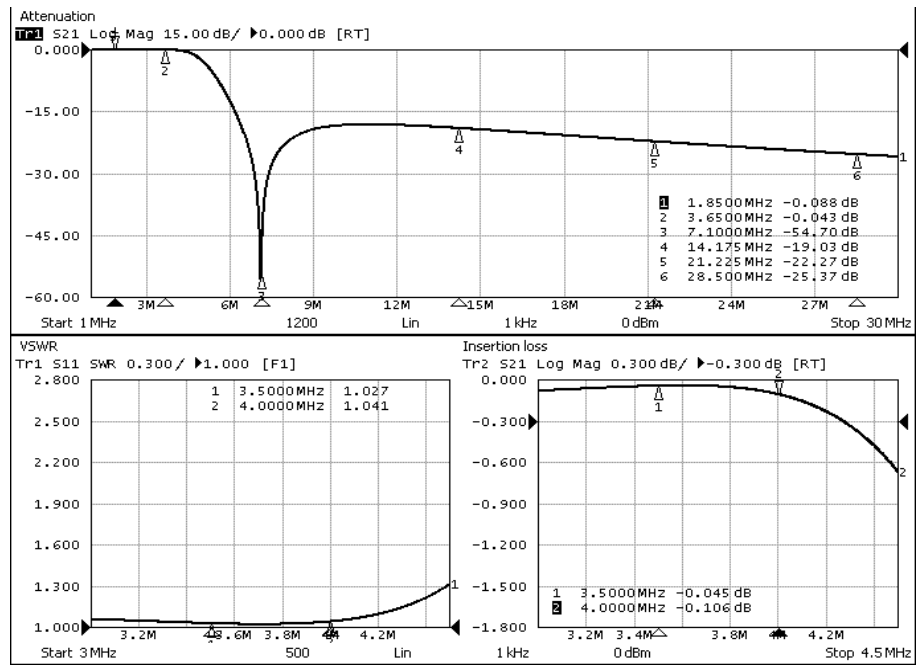
www.lowbandsystems.com

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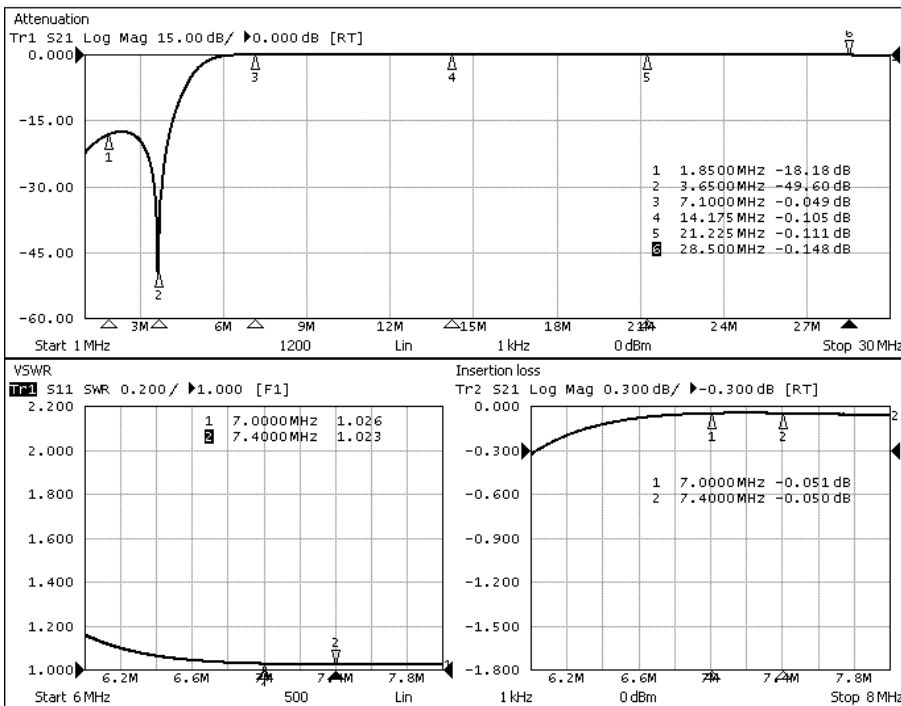
DiPlexer PB-DP500, 3.5 / 7MHz, 500Watts ICAS

Specification as measured, serial number #0718-360:

3.5MHz port: Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



7MHz port: Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



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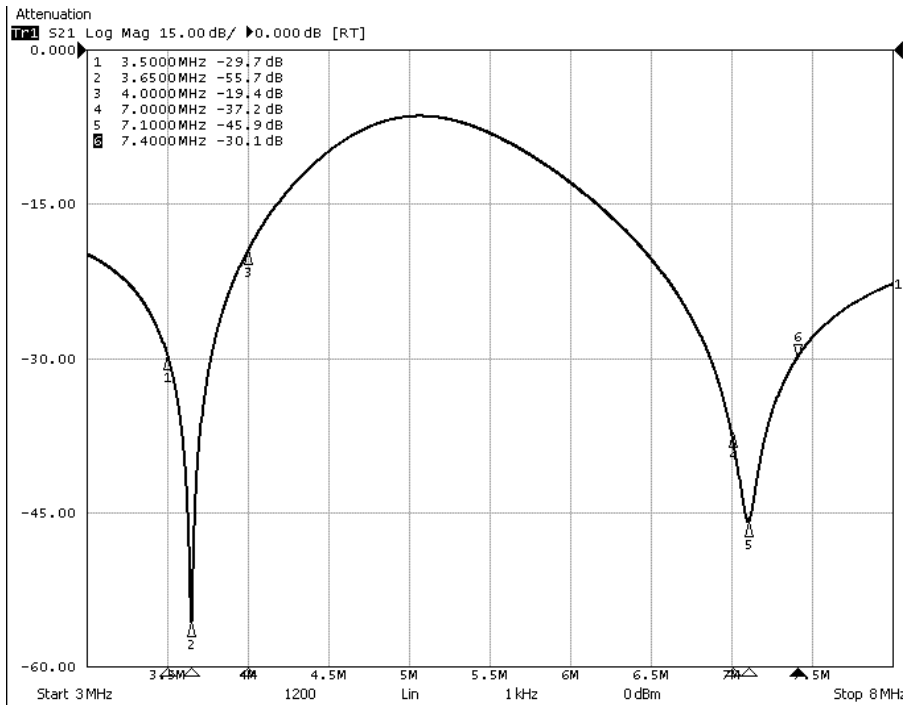


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DiPlexer PB-DP500, 3.5 / 7MHz, 500Watts ICAS

Specification as measured, serial number #0718-360:

Isolation: 3.5MHz port to 7MHz port



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