

«Perfo Box» series of Filters and MultiPlexers

DiPlexer PB-DP1500, 3.5 / 7MHz*, 1500Watts 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-DP1500-3.5/7

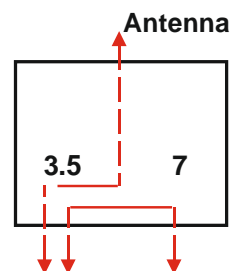
Typical specifications:

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

- Impedance: 50 Ohms
- Maximum ICAS power per band port: 1500W
- Maximum ICAS power at antenna port: 3000W, (please see [Application notes](#))
- VSWR: ≤1,2:1
- Return loss: ≥20db
- Size: 275 x 255 x 100 mm / 10,8" x 10,0" x 3,9"
- Net weight: ≤2,1 kg / 4,6 lbs.

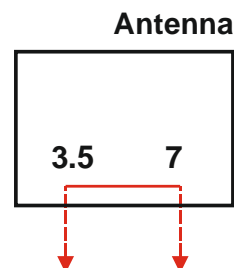
Band INPUT to Antenna OUTPUT, insertion loss (S11) and adjacent bands attenuation (S21), worst possible numbers **at the band edges** rounded to 0,05db / 5db, unused port terminated 50 ohms:

Transmit	Receive level, db.:	
	3.5	7
3.5 - 4.0	≤-0.15	≥ -30
7.0 - 7.4	≥ -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	-	≥ -20
7.0 - 7.4	≥ -20	-



QC:

3 July, 2020

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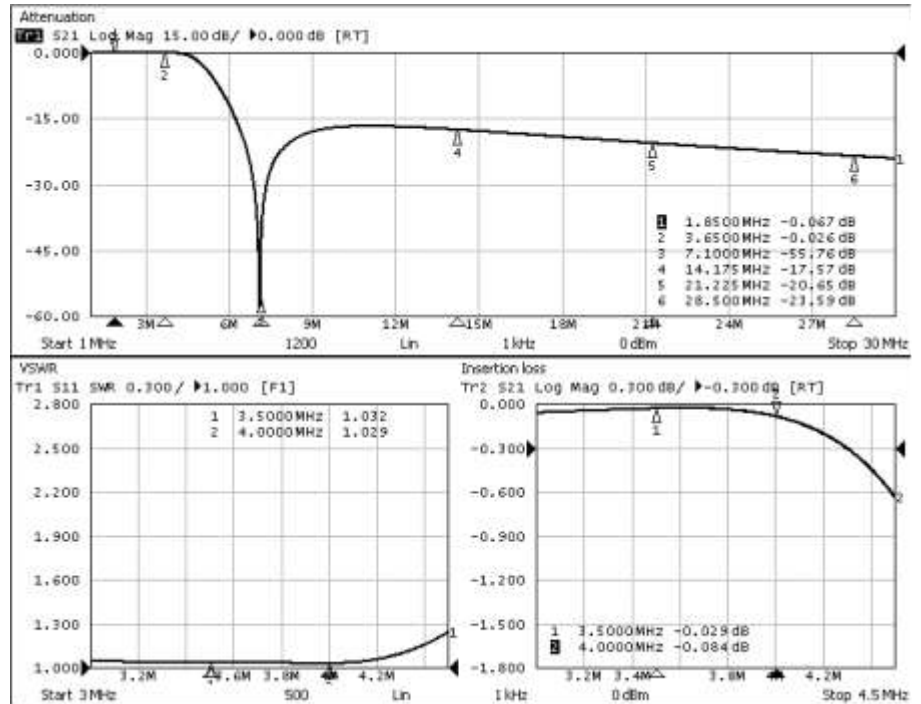
www.lowbandsystems.com

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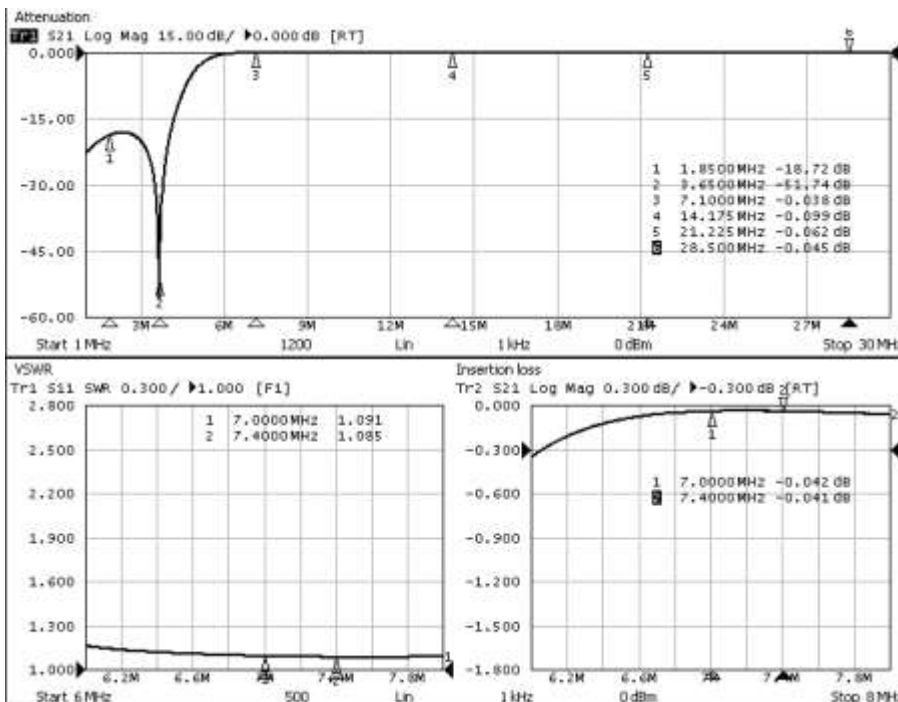
DiPlexer PB-DP1500, 3.5 / 7MHz, 1500Watts ICAS

Specification as measured, serial number #1118-641:

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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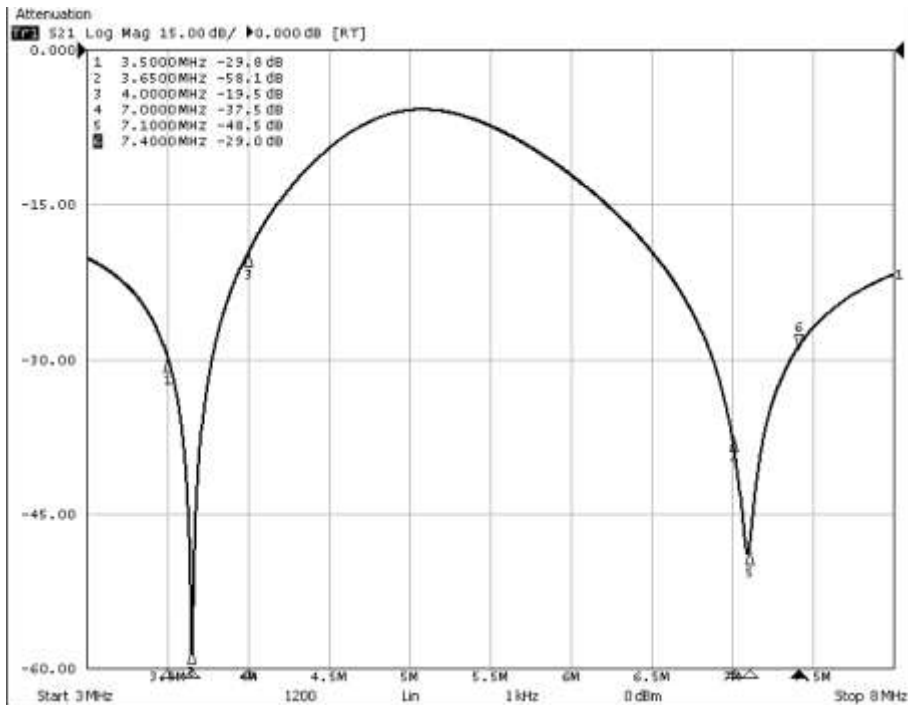
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DiPlexer PB-DP1500, 3.5 / 7MHz, 1500Watts ICAS

Specification as measured, serial number #1118-641:

Isolation: 3.5MHz port to 7MHz port



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