

«Perfo ox» series of Filters and MultiPlexers

DiPlexer PB-DP200, 1.8 / 3.5MHz*, 200Wats ICAS**

* 80 meter band: 3,500 ÷ 4,000Mhz

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

SKU: PB-DP200-1.8/3.5

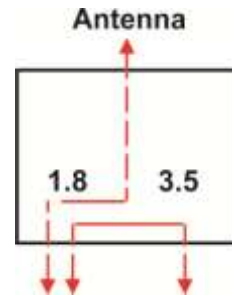
Typical specifications:

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

- Impedance: 50 Ohms
- Maximum ICAS power per band port: 200 W
- Maximum ICAS power at antenna port: 400 W, (please see [Application notes](#))
- VSWR: typical $\leq 1 : 1,2$
- Return loss: ≥ 20 db
- Size: 200 x 125 x 70 mm / 7,9" x 4,9" x 2,8"
- Net weight: $\leq 0,5$ kg / 1,1 lbs

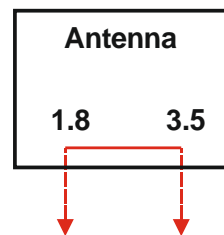
Band INPUT to Antenna OUTPUT, insertion loss (S11) and adjacent bands attenuation (S21), worst possible numbers at the band edges rounded to 5db, unused port terminated 50 ohms:

Transmit	Receive level, db.:	
	1.8	3.5
1.8	≤ -0.15	≥ -40
3.5 - 4.0	≥ -45	≤ -0.2



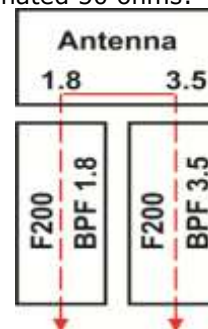
Band to Band, Isolation from port to port (S21), worst possible numbers at the band edges rounded to 5db, Antenna and unused port terminated 50 ohms:

Transmit	Receive level, db.:	
	1.8	3.5
1.8	-	≥ -20
3.5 - 4.0	≥ -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.:	
	1.8	3.5
1.8	-	≥ -100
3.5 - 4.0	≥ -90	-



QC:

6 July, 2020

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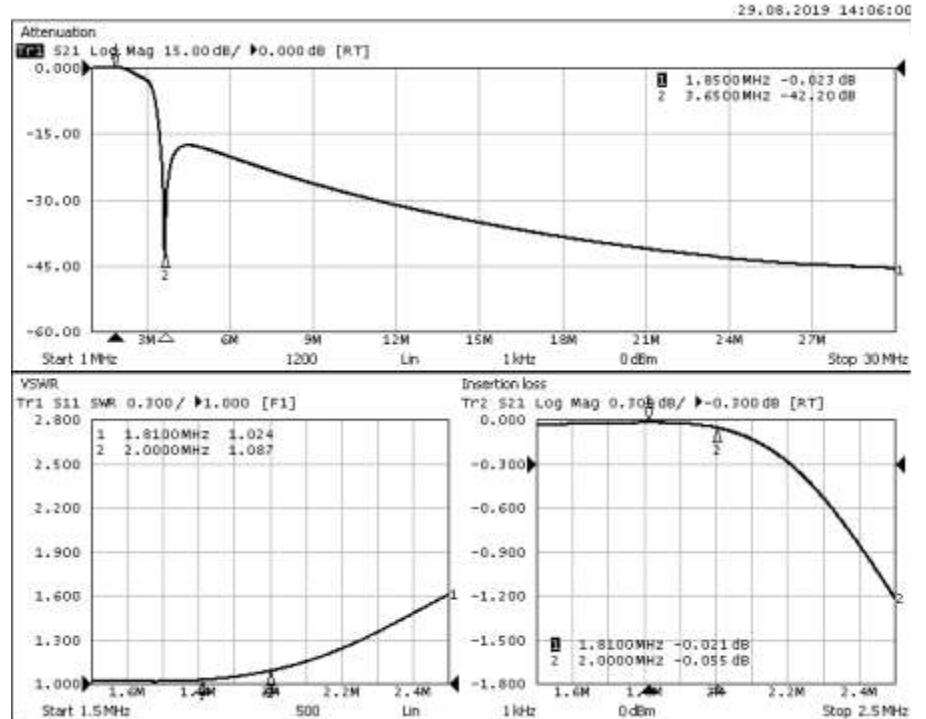
www.lowbandsystems.com

«Perfox» series of Filters and MultiPlexers

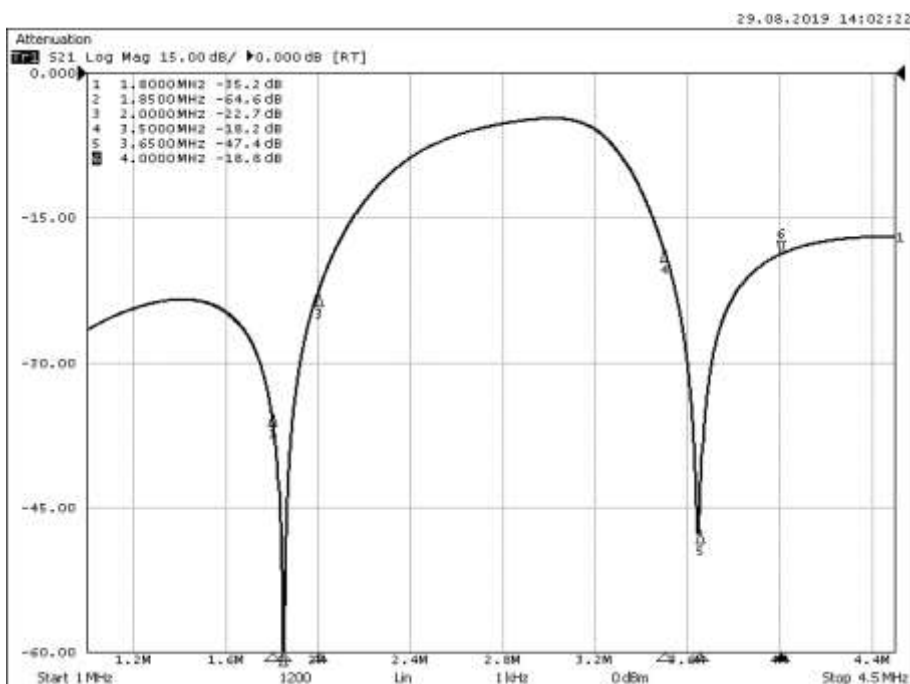
DiPlexer PB-DP200, 1.8 / 3.5MHz, 200Wats ICAS

Specification as measured, serial number #0819-281:

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



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



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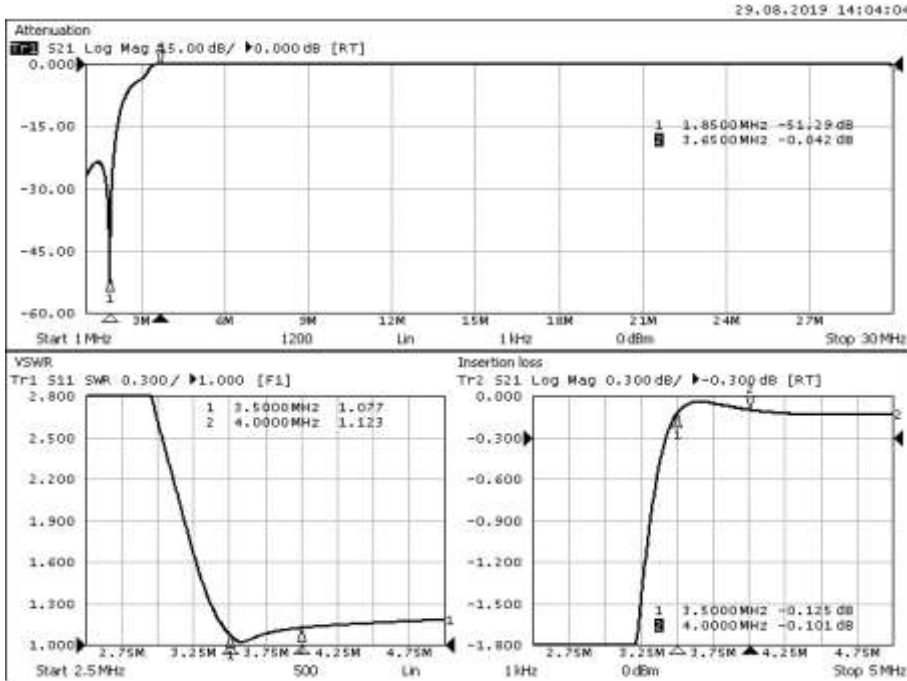
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«Perfox» series of Filters and MultiPlexers

DiPlexer PB-DP200, 1.8 / 3.5MHz, 200Watts ICAS

Specification as measured, serial number #0819-281:

Isolation: 1.8MHz port to 3.5MHz port



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