

«Perfo Box» series of Filters and MultiPlexers

DiPlexer PB-DP1500, 50 / 70MHz, 1500Watts ICAS*

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

SKU: PB-DP1500-50/70N

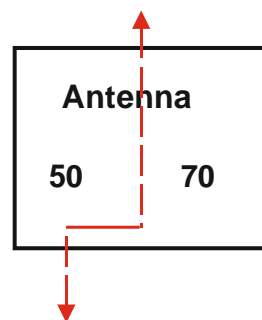
Typical specifications:

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: $\leq 1,25:1$
- Return loss: $\geq 19\text{db}$
- Size: 200 x 150 x 80 mm / 7,9" x 5,9" x 3,1"
- Net weight: $\leq 0,7 \text{ kg} / 1,5 \text{ lbs}$

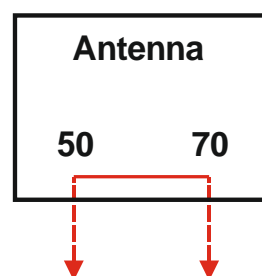
Band INPUT to Antenna OUTPUT, insertion loss (S11) and adjacent bands attenuation (S21), worst possible numbers **at the band edges** rounded to 0,05db / 5db, unused port terminated 50 ohms:

Transmit	Receive level, db.:	
	50	70
50	≤ -0.2	≥ -40
70	≥ -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.:	
	50	70
50	-	≥ -40
70	≥ -20	-



QC:

11 March, 2021

Page 1 of 3



LowBandSystems

Tel.: 007 918 557 45 07 (WhatsApp, Viber)

E-mail: ra6lbs@gmail.com

Volgodonsk, 347382, Russian Federation

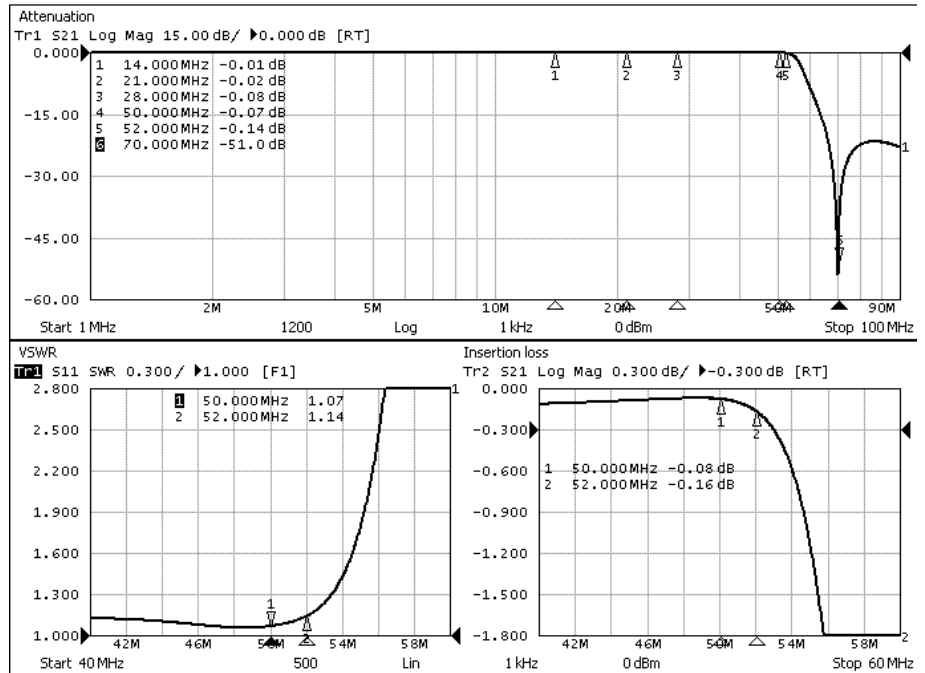
www.lowbandsystems.com

«Perfo Box» series of Filters and MultiPlexers

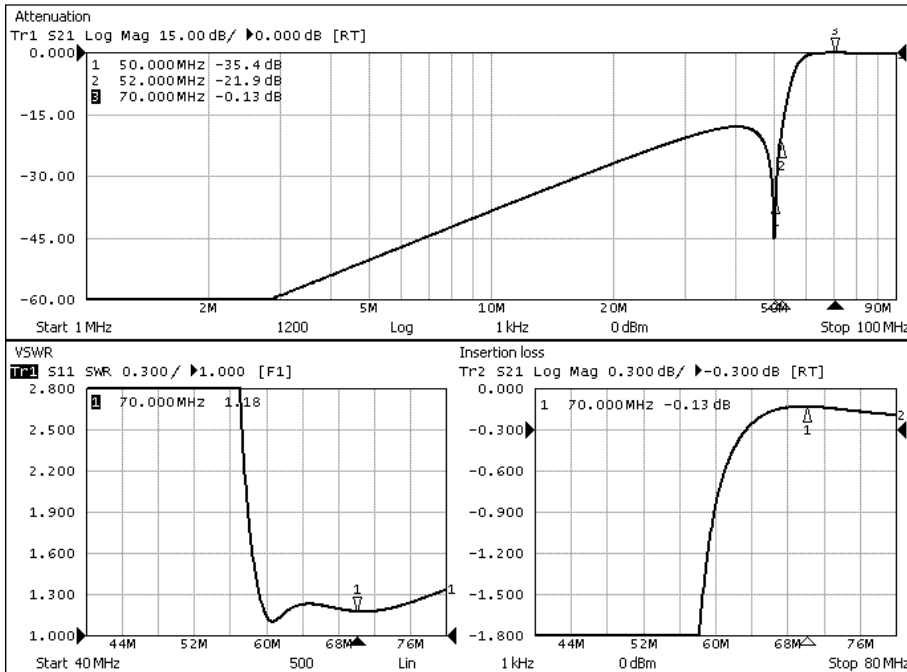
DiPlexer PB-DP1500, 50 / 70MHz, 1500Watts ICAS

Specification as measured, serial number #0417-229:

50MHz port: Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



70MHz port: Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



QC:

11 March, 2021

Page 2 of 3



LowBandSystems

Tel.: 007 918 557 45 07 (WhatsApp, Viber)

E-mail: ra6lbs@gmail.com

Volgodonsk, 347382, Russian Federation

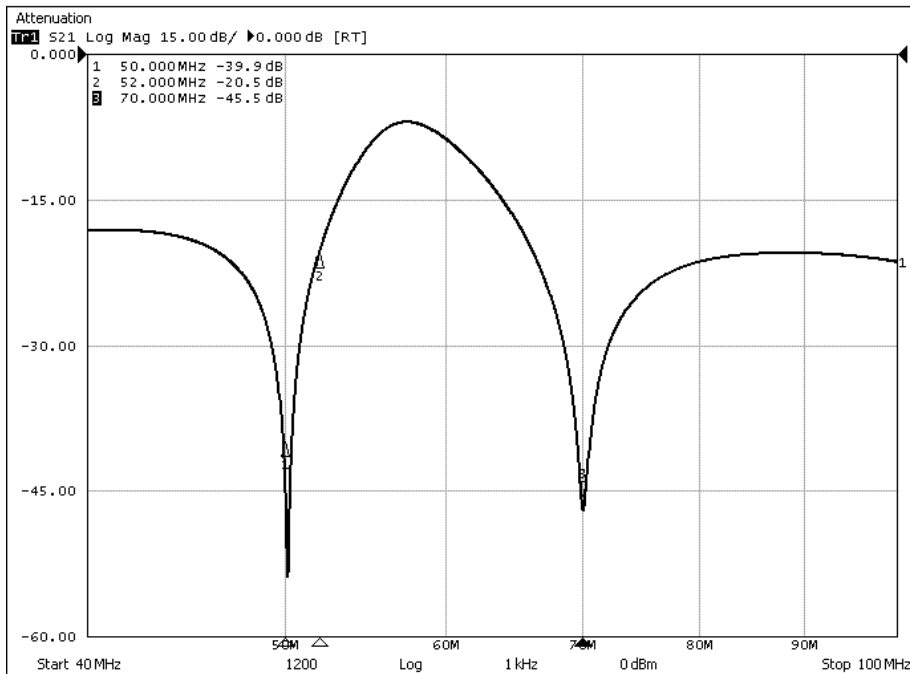
www.lowbandsystems.com

«Perfo Box» series of Filters and MultiPlexers

DiPlexer PB-DP1500, 50 / 70MHz, 1500Watts ICAS

Specification as measured, serial number #0417-229:

Isolation: 50MHz port to 70MHz port



QC:

11 March, 2021

Page 3 of 3



LowBandSystems

Tel.: 007 918 557 45 07 (WhatsApp, Viber)

E-mail: ra6lbs@gmail.com

Volgodonsk, 347382, Russian Federation

www.lowbandsystems.com