

«Perfo Box» series of Filters and MultiPlexers

Band Pass Filter PB-F1500DX, **Series I**, 1500Watts ICAS

Typical specifications:

Bands, Mhz:	1.8-3.5-7-10-14-18-21-24-28
Impedance:	50 Ohm
Maximum ICAS power:	1500W ICAS
VSWR:	typical $\leq 1,25:1$
Cooling fans (<i>option</i>):	2 x 12VDC, 2200RPM, 29.9CFM, Phoenix pluggable connector

Summury of data sheet performances:

Insertion loss (**S11**) and adjacent band attenuation (**S21**, lowest possible numbers at the band edges:

Transmit	Receive level, db.:								
	1,8	3,5	7	10	14	18	21	24	28
1,8	-0,15	-85	-95	-65	-65	-65	-65	-65	-65
3,5	-50	-0,4	-90	-85	-95	-90	-100	-90	-90
7	-60	-85	-0,3	-70	-50	-50	-55	-55	-55
10	-65	-55	-80	-0,4	-92	-85	-103	-55	-55
14	-80	-65	-50	-75	-0,4	-75	-95	-70	-70
18	-90	-75	-65	-60	-85	-0,7	-75	-60	-60
21	-75	-65	-60	-54	-44	-55	-0,5	-75	-60
24	-95	-80	-75	-65	-55	-45	-65	-0,6	-60
28	-95	-90	-90	-80	-70	-65	-90	-65	-0,45

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Filter solutions for HAM RADIO



«Perfo Box» series of Filters and MultiPlexers

Low Pass Filter PB-F1500DX, 1.8MHz (160m), 1500Watts ICAS

SKU: PB-F1500DX-1-8-F2

Typical specifications*:

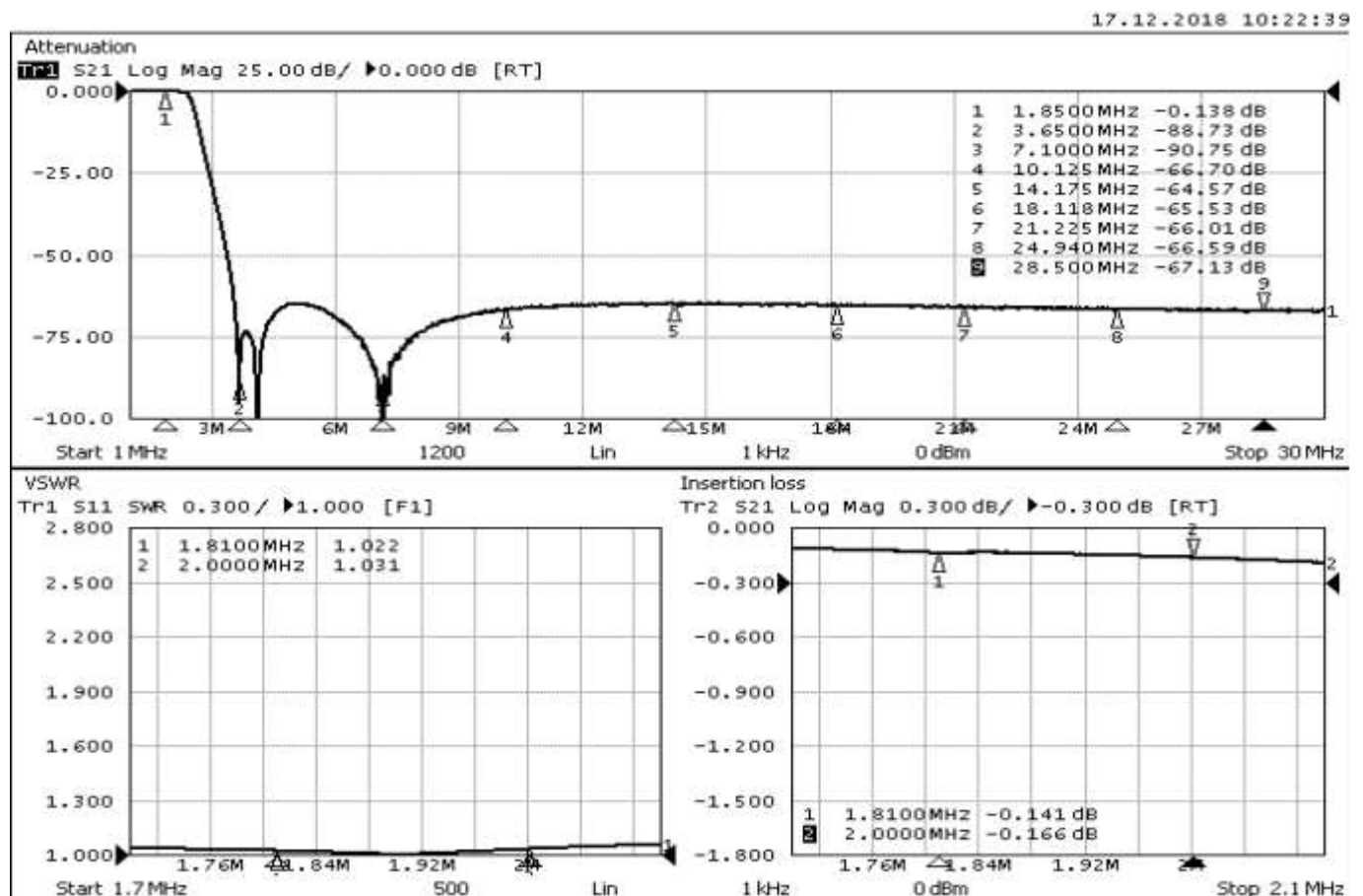
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** Intermittent Commercial and Amateur Service, (CW - 50% Duty cycle)

- Impedance: 50 Ohm
- Power rating: 1500W ICAS**, max VSWR 1,5:1
- Insertion loss: $\leq 0,2$ db
- Return loss: ≥ 19 db
- VSWR: $\leq 1,25:1$
- Connector: SO-239 (UHF female)
- Cooling fan (option): 12VDC, 2200RPM, 29.9CFM
- Dimensions (L x W x H) mm/inches: 450 x 150 x 140 mm / 17,7" x 5,9" x 5,5"
- Net weight, kg/lbs.: $\leq 2,2$ kg / 4,9 lbs.

Measured: adjacent bands attenuation (S21), VSWR and Insertion loss (S11).

Serial number #1218-662:



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«Perfo Box» series of Filters and MultiPlexers

Band Pass Filter PB-F1500DX, 3.5MHz (80m), 1500Watts ICAS

SKU: PB-F1500DX-3-5-F2

Typical specifications*:

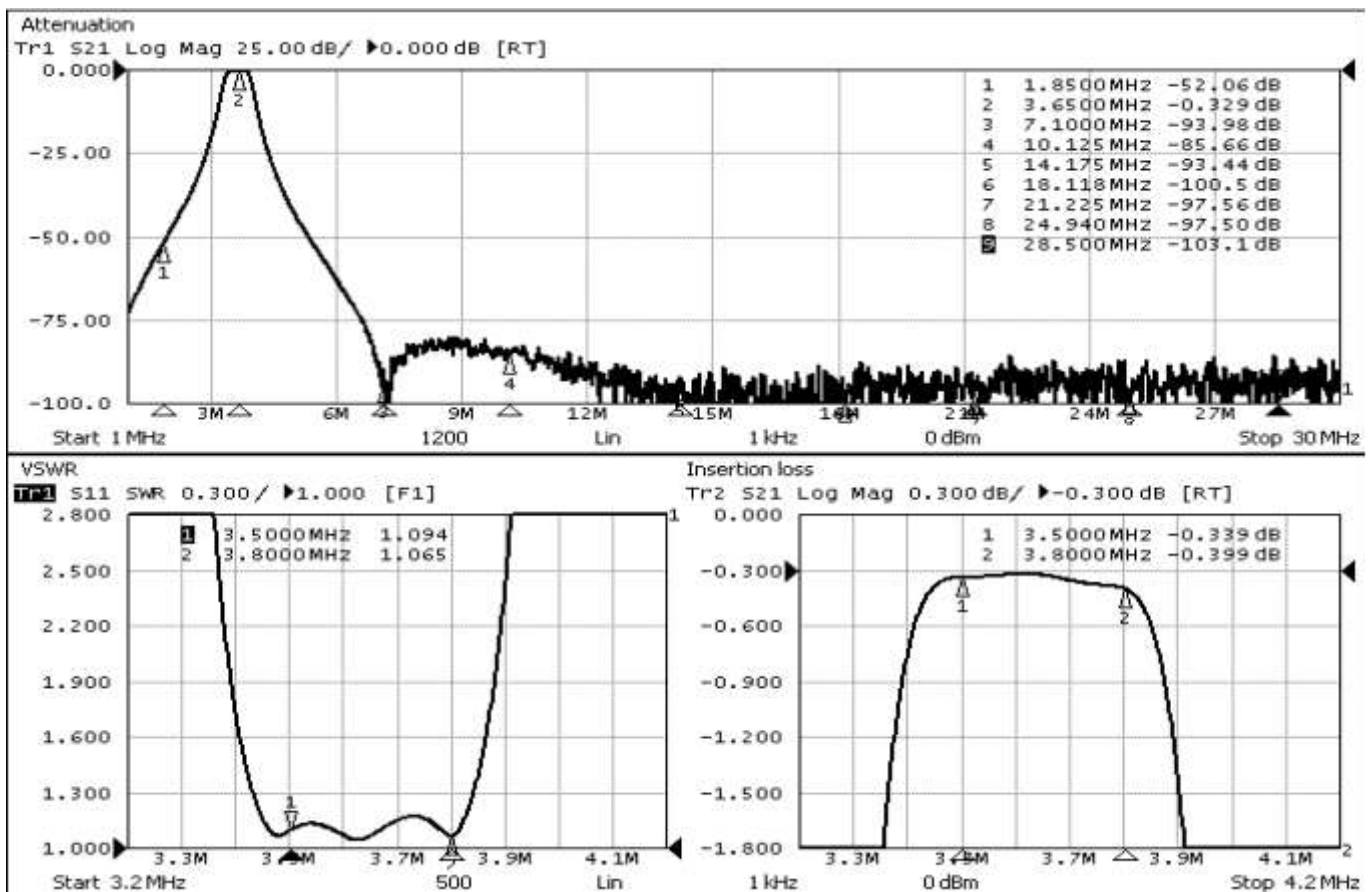
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** Intermittent Commercial and Amateur Service, (CW - 50% Duty cycle)

- Impedance: 50 Ohm
- Power rating: 1500W ICAS**, max VSWR 1,5:1
- Insertion loss: ≤0,4db
- Return loss: ≥19db
- VSWR: ≤1,25:1
- Connector: SO-239 (UHF female)
- Cooling fan (option): 12VDC, 2200RPM, 29.9CFM
- Dimensions (L x W x H) mm/inches: 450 x 150 x 140 mm / 17,7" x 5,9" x 5,5"
- Net weight, kg/lbs.: ≤2,4 kg / 5,3 lbs.

Measured: adjacent bands attenuation (S21), VSWR and Insertion loss (S11).

Serial number #1218-664:



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«Perfo Box» series of Filters and MultiPlexers

Band Pass Filter PB-F1500DX, 7MHz (40m), 1500Watts ICAS

SKU: PB-F1500DX-7-F2

Typical specifications*:

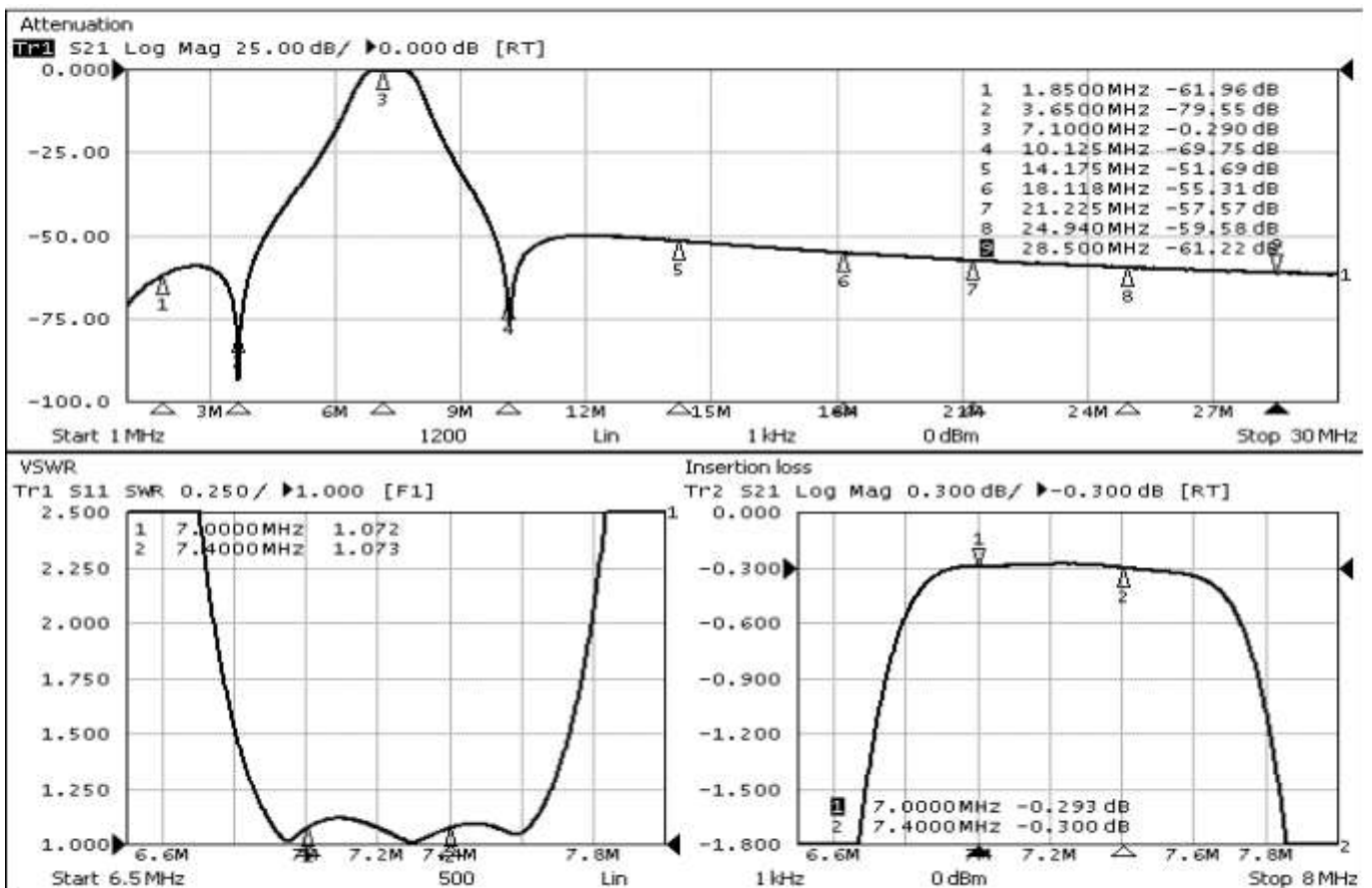
* Subject to change without prior notice

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

- Impedance: 50 Ohm
- Power rating: 1500W ICAS**, max VSWR 1,5:1
- Insertion loss: ≤0,4db
- Return loss: ≥19db
- VSWR: ≤1,25:1
- Connector: SO-239 (UHF female)
- Cooling fan (option): 12VDC, 2200RPM, 29.9CFM
- Dimensions (L x W x H) mm/inches: 450 x 150 x 140 mm / 17,7" x 5,9" x 5,5"
- Net weight, kg/lbs.: ≤2,8 kg / 6,2 lbs.

Measured: adjacent bands attenuation (S21), VSWR and Insertion loss (S11).

Serial number #1218-666:



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Filter solutions for HAM RADIO



«Perfo Box» series of Filters and MultiPlexers

Band Pass Filter PB-F1500DX, 10MHz (30m), 1500Watts ICAS

SKU: PB-F1500DX-10-F2

Typical specifications*:

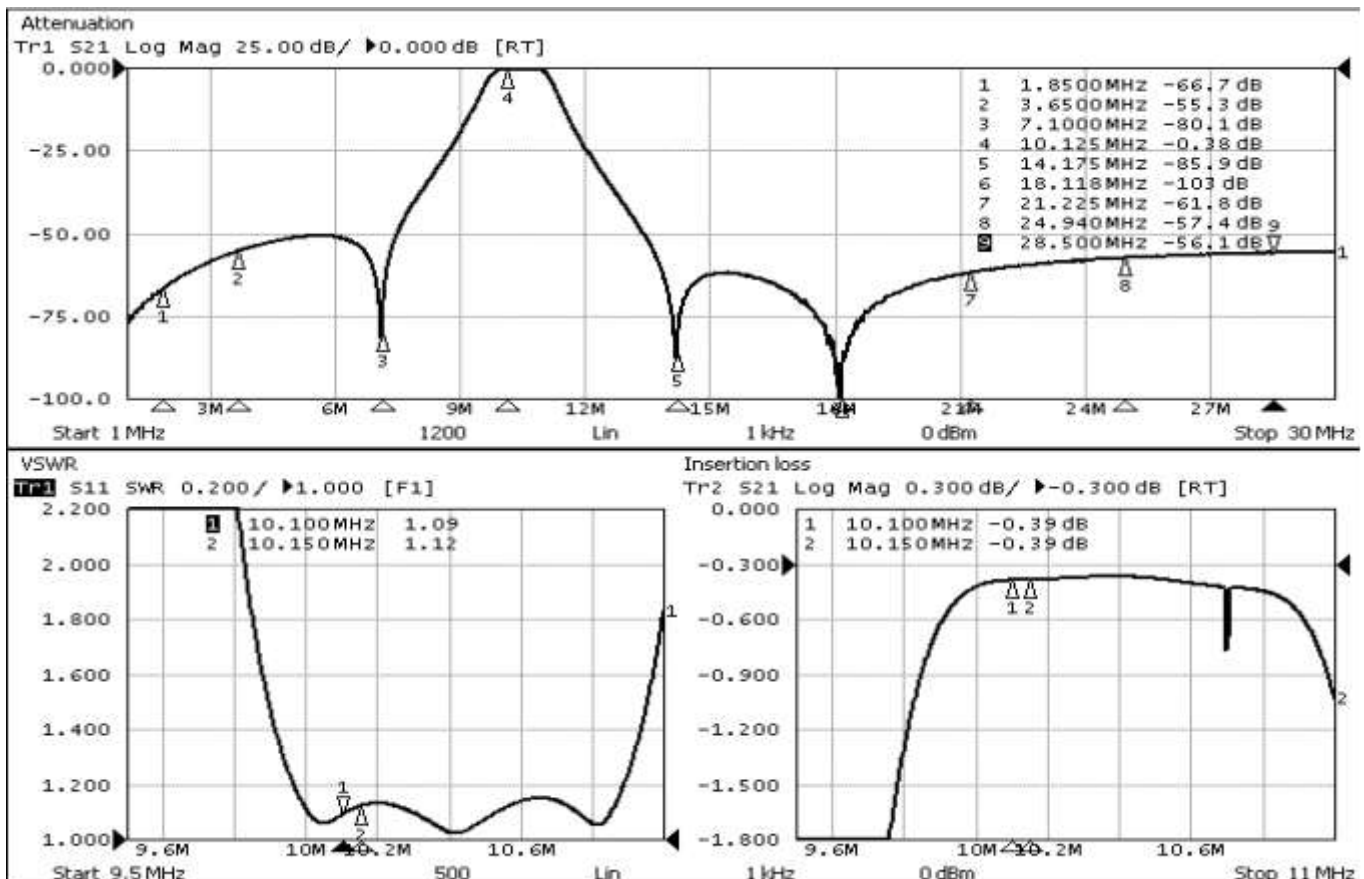
* Subject to change without prior notice

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

- Impedance: 50 Ohm
- Power rating: 1500W ICAS**, max VSWR 1,5:1
- Insertion loss: ≤0,4db
- Return loss: ≥19db
- VSWR: ≤1,25:1
- Connector: SO-239 (UHF female)
- Cooling fan (option): 12VDC, 2200RPM, 29.9CFM
- Dimensions (L x W x H) mm/inches: 450 x 150 x 140 mm / 17,7" x 5,9" x 5,5"
- Net weight, kg/lbs.: ≤2,4 kg / 5,3 lbs.

Measured: adjacent bands attenuation (S21), VSWR and Insertion loss (S11).

Serial number #1218-675:



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«Perfo Box» series of Filters and MultiPlexers

Band Pass Filter PB-F1500DX, 18MHz (17m), 1500Watts ICAS

SKU: PB-F1500DX-18-F2

Typical specifications*:

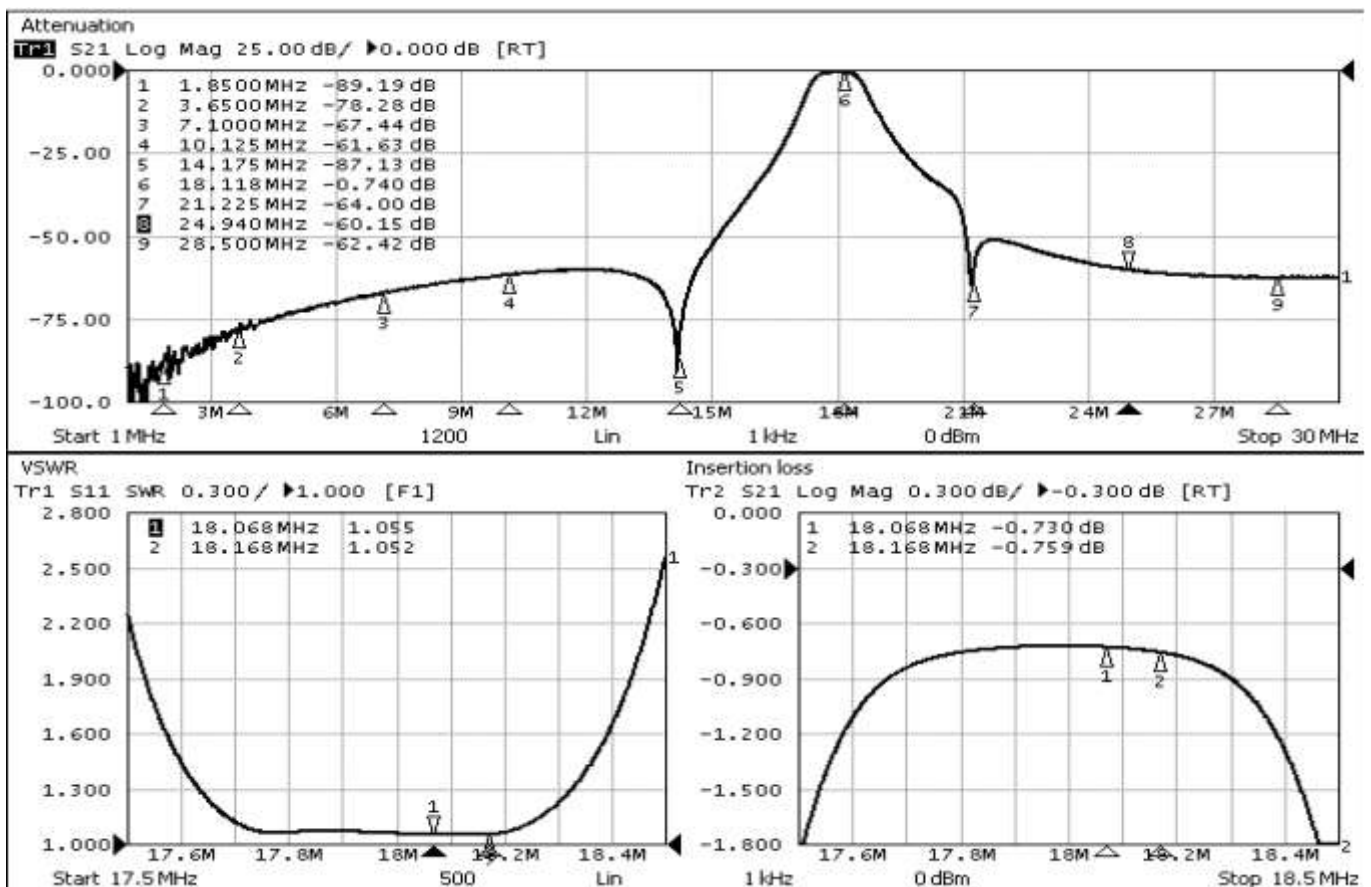
* Subject to change without prior notice

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

- Impedance: 50 Ohm
- Power rating: 1500W ICAS**, max VSWR 1,5:1
- Insertion loss: ≤0,8db
- Return loss: ≥19db
- VSWR: ≤1,25:1
- Connector: SO-239 (UHF female)
- Cooling fan (option): 12VDC, 2200RPM, 29.9CFM
- Dimensions (L x W x H) mm/inches: 450 x 150 x 140 mm / 17,7" x 5,9" x 5,5"
- Net weight, kg/lbs.: ≤2,4 kg / 5,3 lbs.

Measured: adjacent bands attenuation (S21), VSWR and Insertion loss (S11).

Serial number #1218-677:



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«Perfo Box» series of Filters and MultiPlexers

Band Pass Filter PB-F1500DX, 21MHz (15m), 1500Watts ICAS

SKU: PB-F1500DX-21-F2

Typical specifications*:

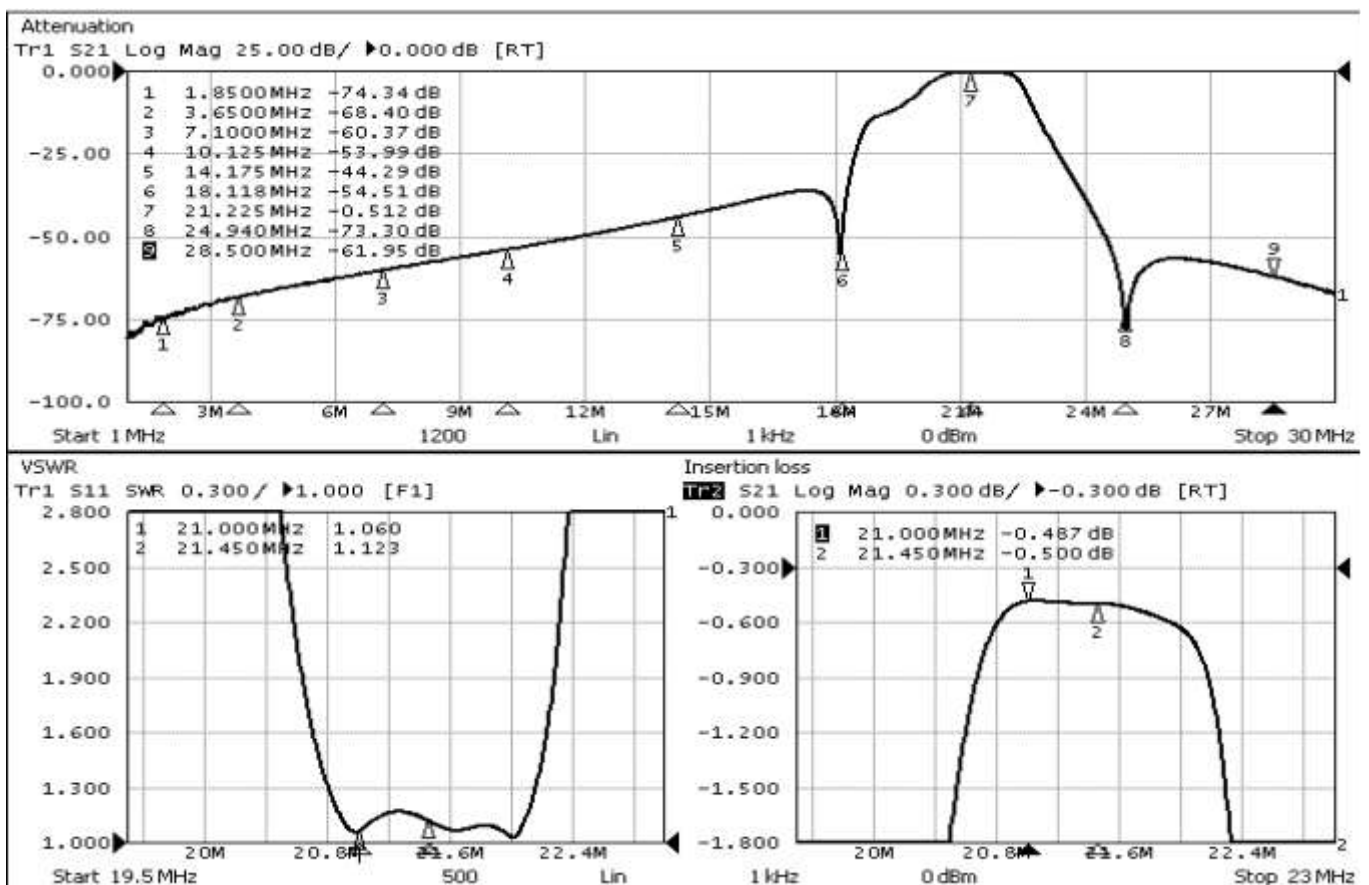
* Subject to change without prior notice

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

- Impedance: 50 Ohm
- Power rating: 1500W ICAS**, max VSWR 1,5:1
- Insertion loss: ≤0,5db
- Return loss: ≥19db
- VSWR: ≤1,25:1
- Connector: SO-239 (UHF female)
- Cooling fan (option): 12VDC, 2200RPM, 29.9CFM
- Dimensions (L x W x H) mm/inches: 450 x 150 x 140 mm / 17,7" x 5,9" x 5,5"
- Net weight, kg/lbs.: ≤2,4 kg / 5,3 lbs.

Measured: adjacent bands attenuation (S21), VSWR and Insertion loss (S11).

Serial number #1218-670:



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«Perfo Box» series of Filters and MultiPlexers

Band Pass Filter PB-F1500DX, 24MHz (12m), 1500Watts ICAS

SKU: PB-F1500DX-24-F2

Typical specifications*:

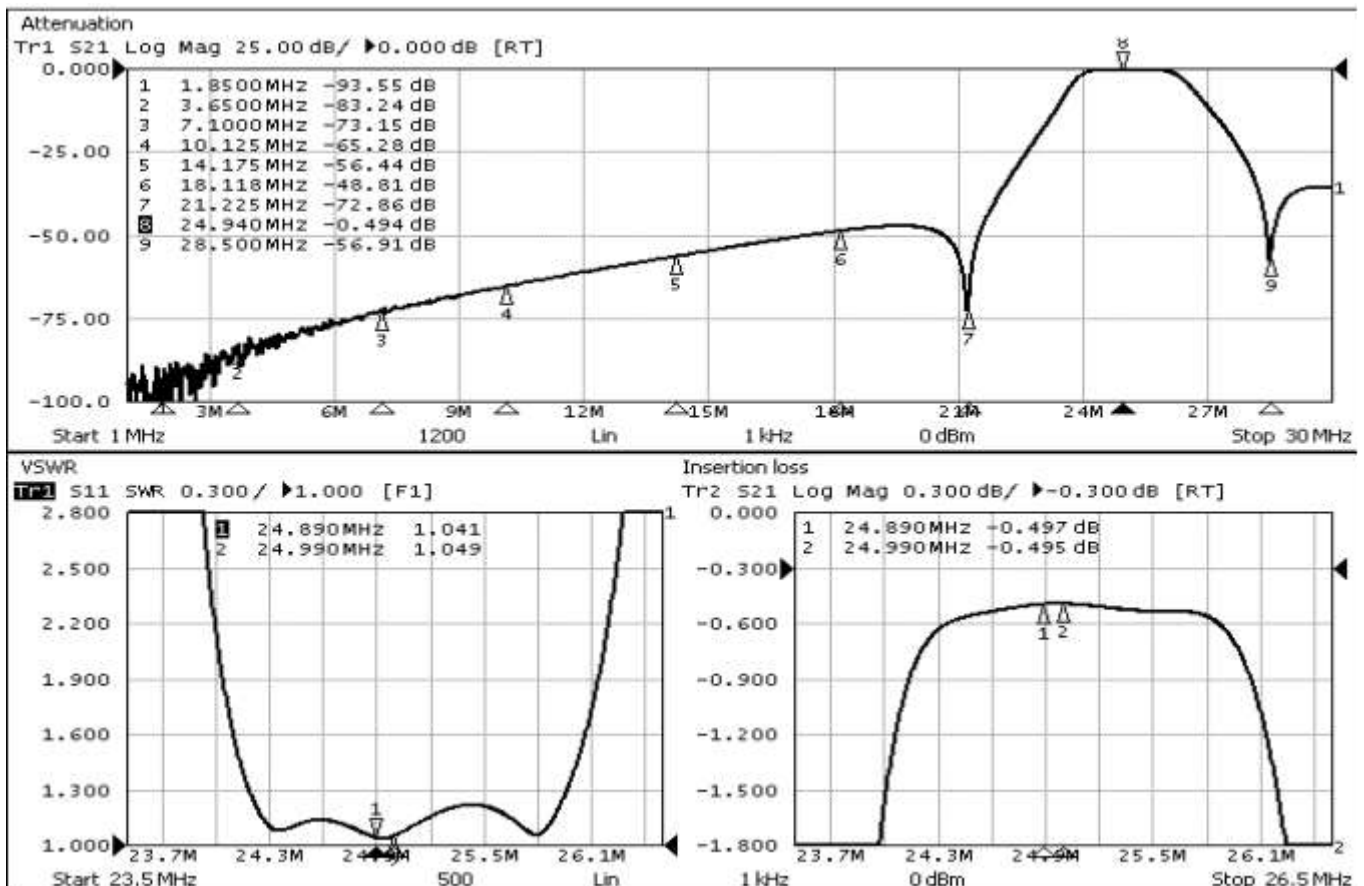
* Subject to change without prior notice

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

- Impedance: 50 Ohm
- Power rating: 1500W ICAS**, max VSWR 1,5:1
- Insertion loss: ≤0,5db
- Return loss: ≥19db
- VSWR: ≤1,25:1
- Connector: SO-239 (UHF female)
- Cooling fan (option): 12VDC, 2200RPM, 29.9CFM
- Dimensions (L x W x H) mm/inches: 450 x 150 x 140 mm / 17,7" x 5,9" x 5,5"
- Net weight, kg/lbs.: ≤2,4 kg / 5,3 lbs.

Measured: adjacent bands attenuation (S21), VSWR and Insertion loss (S11).

Serial number #1218-679:



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«Perfo Box» series of Filters and MultiPlexers

Band Pass Filter PB-F1500DX, 28MHz (10m), 1500Watts ICAS

SKU: PB-F1500DX-28-F2

Typical specifications*:

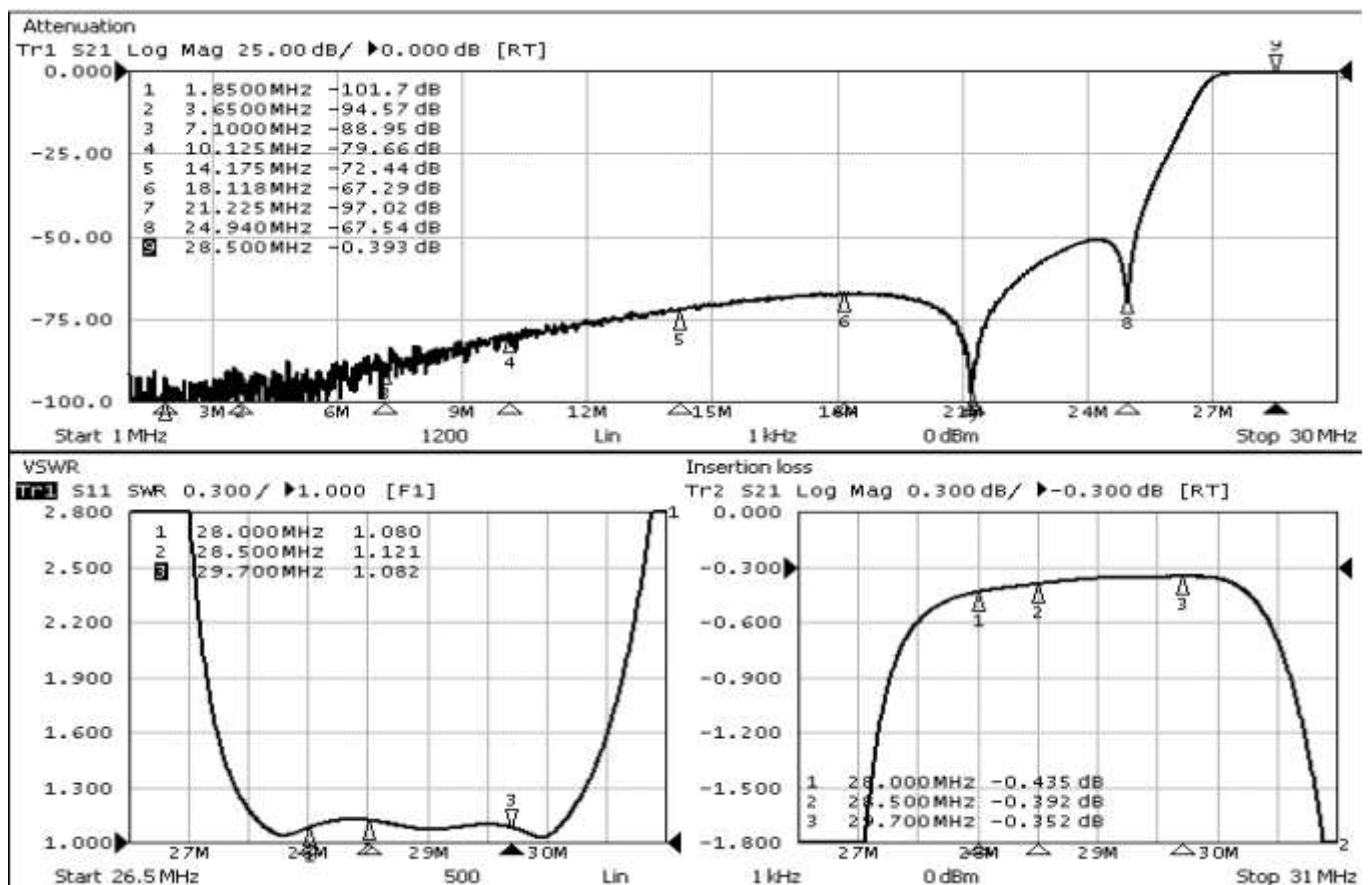
* Subject to change without prior notice

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

- Impedance: 50 Ohm
- Power rating: 1500W ICAS**, max VSWR 1,5:1
- Insertion loss: ≤0,5db
- Return loss: ≥19db
- VSWR: ≤1,25:1
- Connector: SO-239 (UHF female)
- Cooling fan (option): 12VDC, 2200RPM, 29.9CFM
- Dimensions (L x W x H) mm/inches: 450 x 150 x 140 mm / 17,7" x 5,9" x 5,5"
- Net weight, kg/lbs.: ≤2,0 kg / 4,4 lbs.

Measured: adjacent bands attenuation (S21), VSWR and Insertion loss (S11).

Serial number #1218-672:



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