

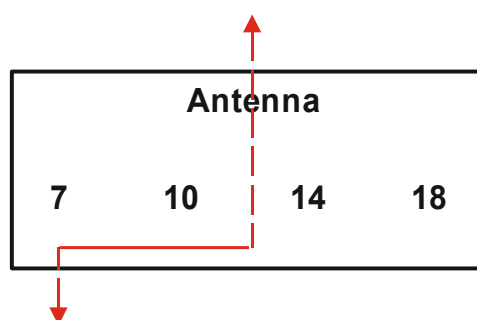
QuadPlexer, 7-10-14-18MHz, 500Watts ICAS

Typical specifications*:

- Impedance: 50 Ohms
- Maximum ICAS power per band port: 500W
- Maximum ICAS power at antenna port: 1500W, (please see [Application notes](#))
- VSWR: typical $\leq 1:1,2$
- Return loss: typical $\geq 20\text{db}$
- Size: 355 x 245 x 105 mm / 14" x 10" x 4"
- Net weight: $\leq 3,2$ kg / 3,5 lbs

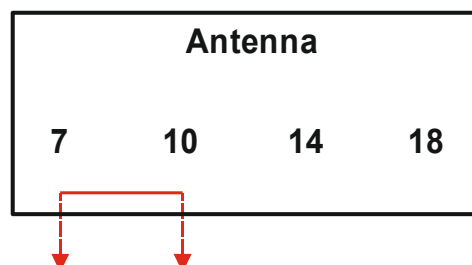
Band INPUT to Antenna OUTPUT, insertion loss (S11) and adjacent bands attenuation (S21), lowest possible numbers at the band edges rounded to 5):

Transmit	Receive level, db.:			
	7	10	14	18
7	-0,2	-35	-45	-45
10	-30	-0,25	-30	-45
14	-30	-40	-0,25	-30
18	-40	-60	-25	-0,2



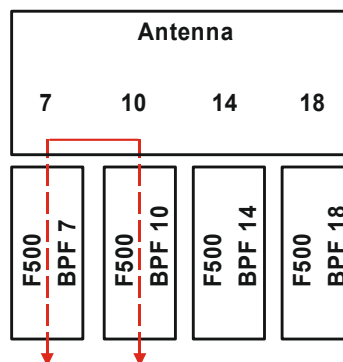
Band to Band, Isolation from port to port (S21), lowest possible numbers at the band edges rounded to 5, Antenna and unused ports terminated 50 ohms:

Transmit	Receive level, db.:			
	7	10	14	18
7	-			
10		-		
14			-	
18				-



Band to Band, Isolation with Band Pass Filters Perfo Box 500, from port to port (S21, lowest possible numbers at the band edges rounded to 5), Antenna port and unused ports terminated 50 ohms:

Transmit	Receive level, db.:			
	7	10	14	18
7	-			
10		-		
14			-	
18				-

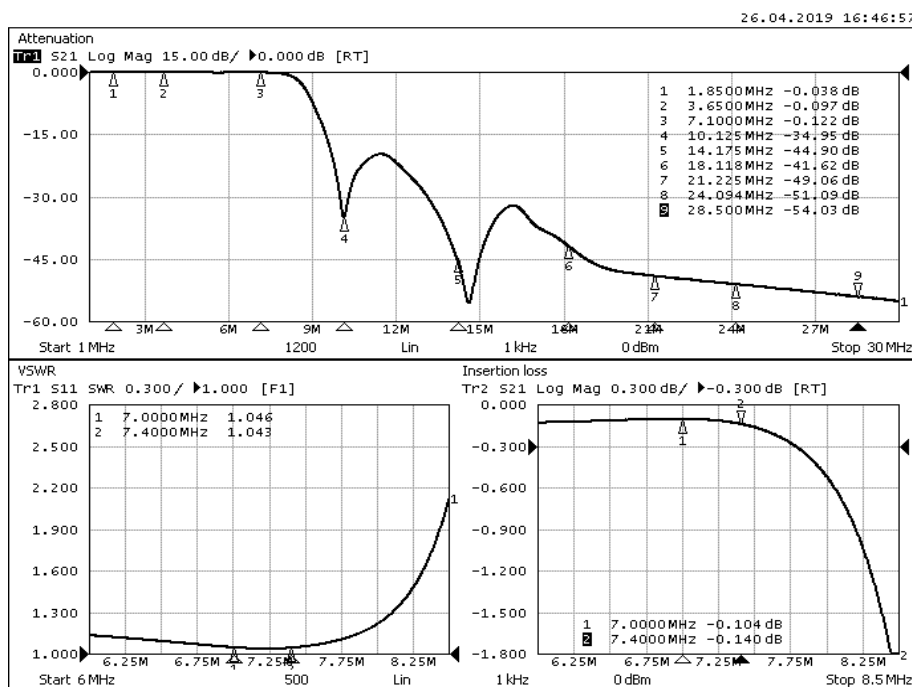


* Subject to change without prior notice

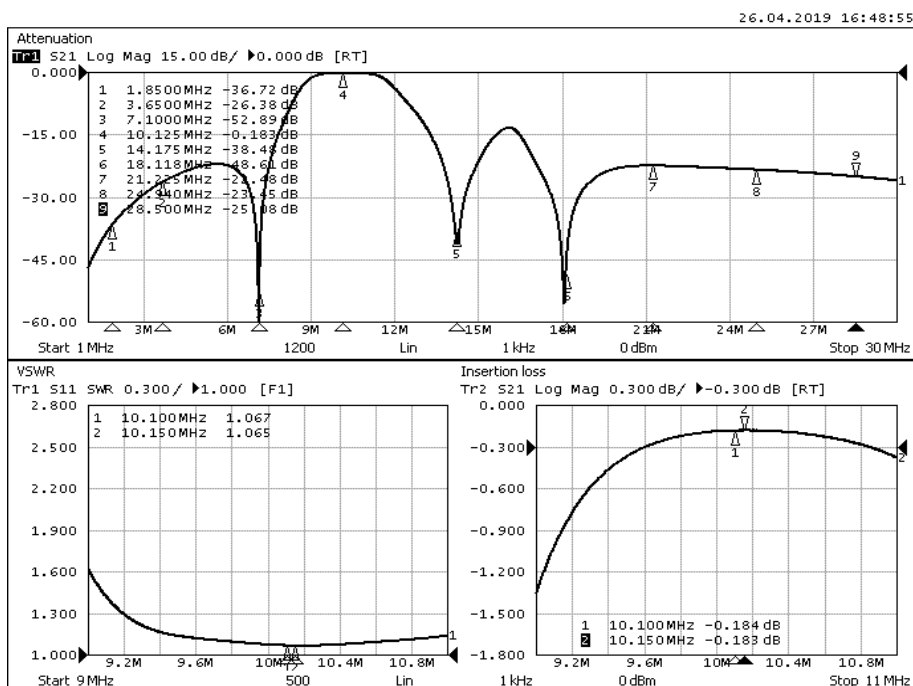
QuadPlexer, 7-10-14-18MHz, 500Watts ICAS

Specification as measured, **serial number #0419-034:**

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



10MHz port: Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



QC:

LowBandSystems

Tel.: 007 918 557 45 07

E-mail: ra6lbs@gmail.com

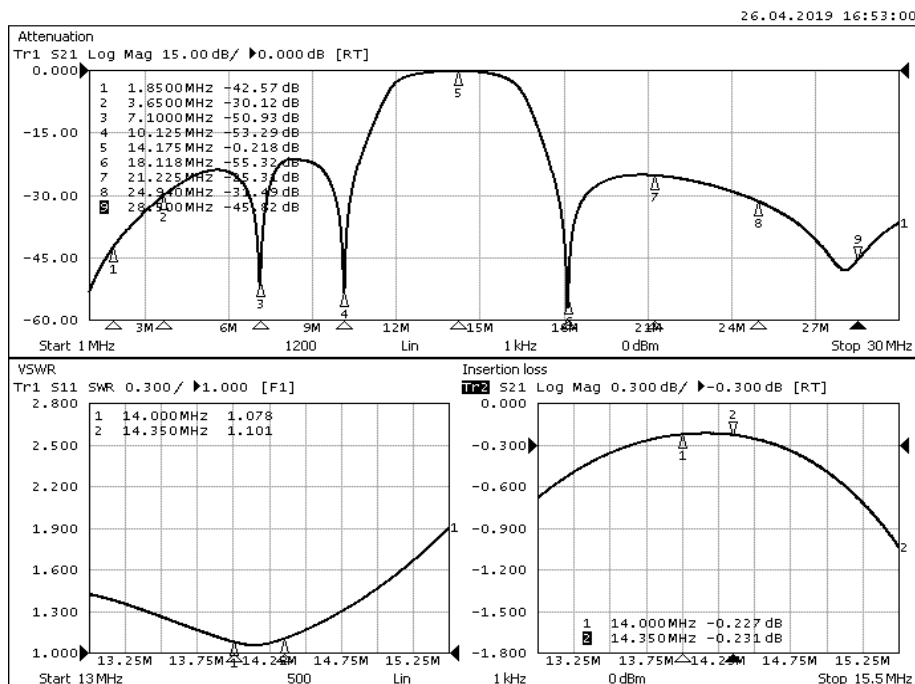
Volgodonsk, 347382, Russian Federation

www.lowbandsystems.com

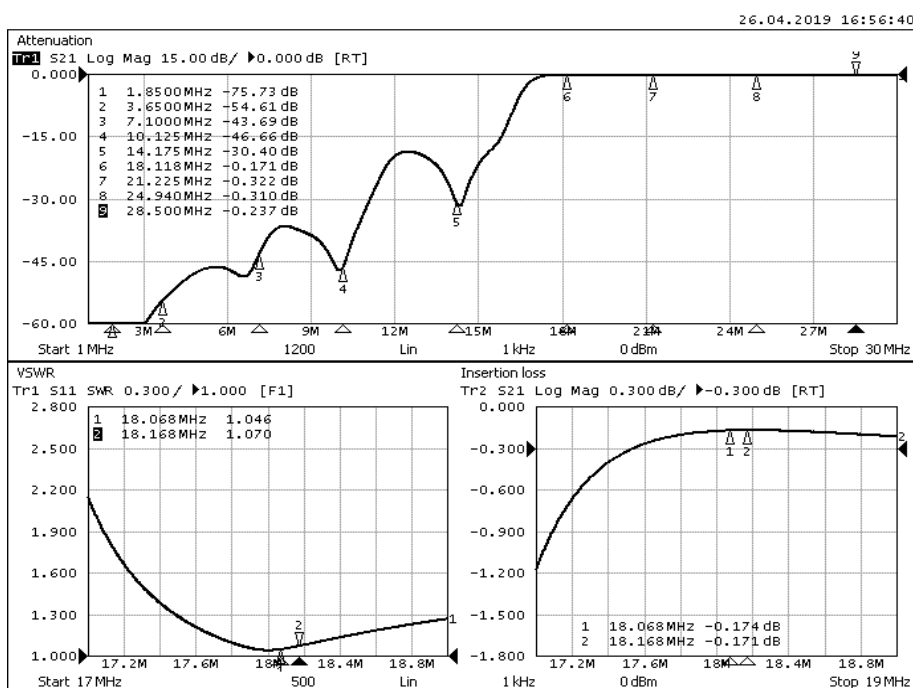
QuadPlexer, 7-10-14-18MHz, 500Watts ICAS

Specification as measured, **serial number #0419-034:**

14MHz port: Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port



18MHz port: Insertion loss (S11), VSWR and adjacent bands attenuation (S21) to antenna port

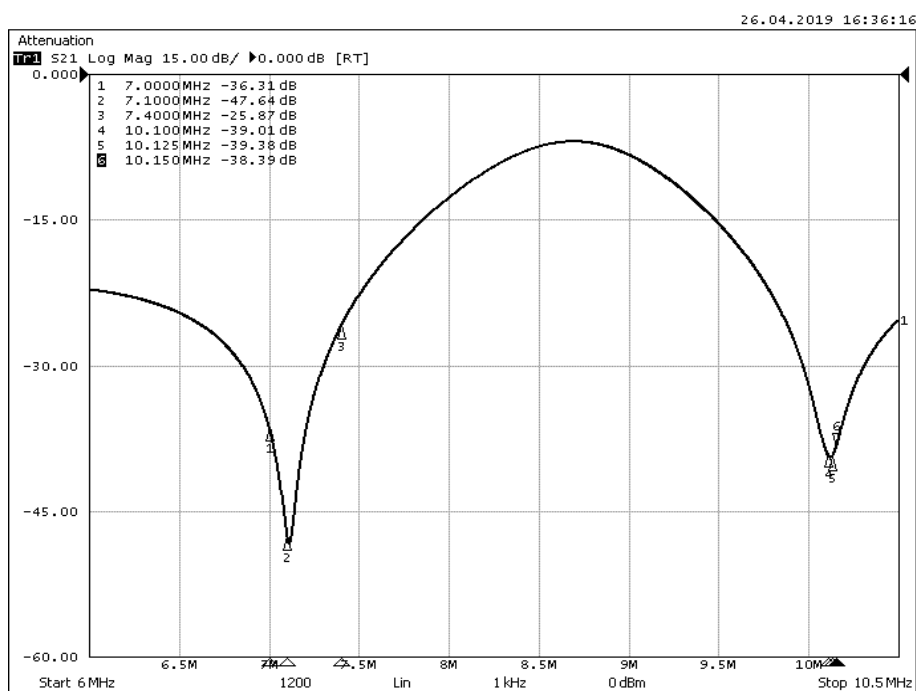


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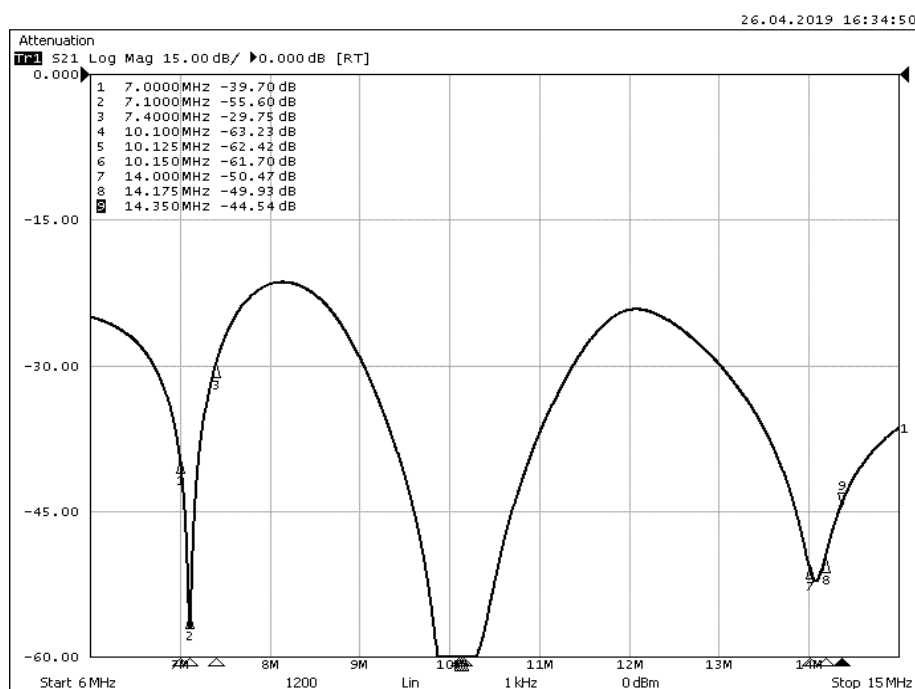
QuadPlexer, 7-10-14-18MHz, 500Watts ICAS

Specification as measured, serial number #0419-034:

Isolation: 7MHz port to 10MHz port



Isolation: 7MHz port to 14MHz port

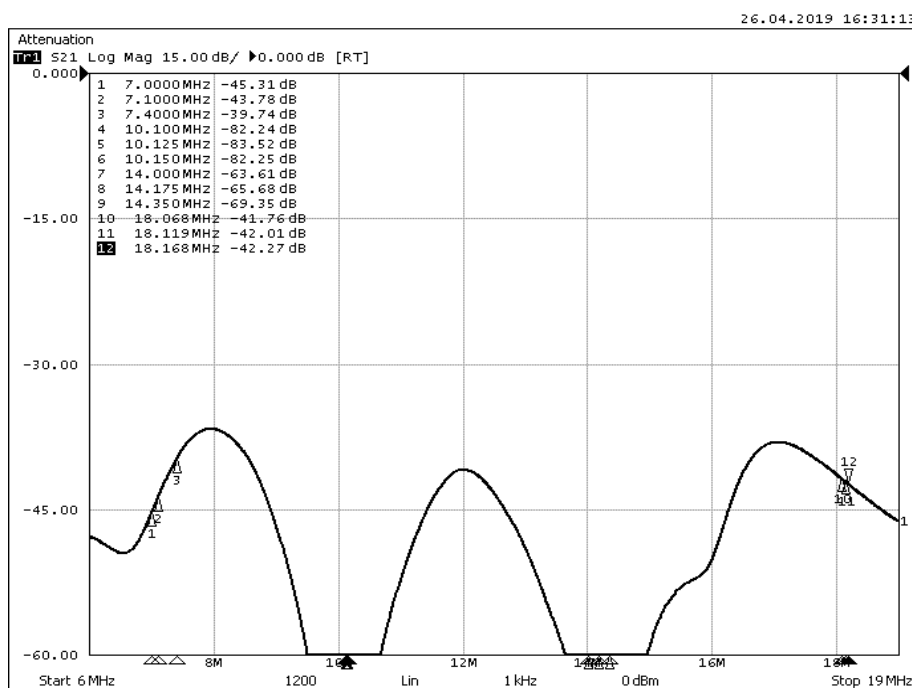


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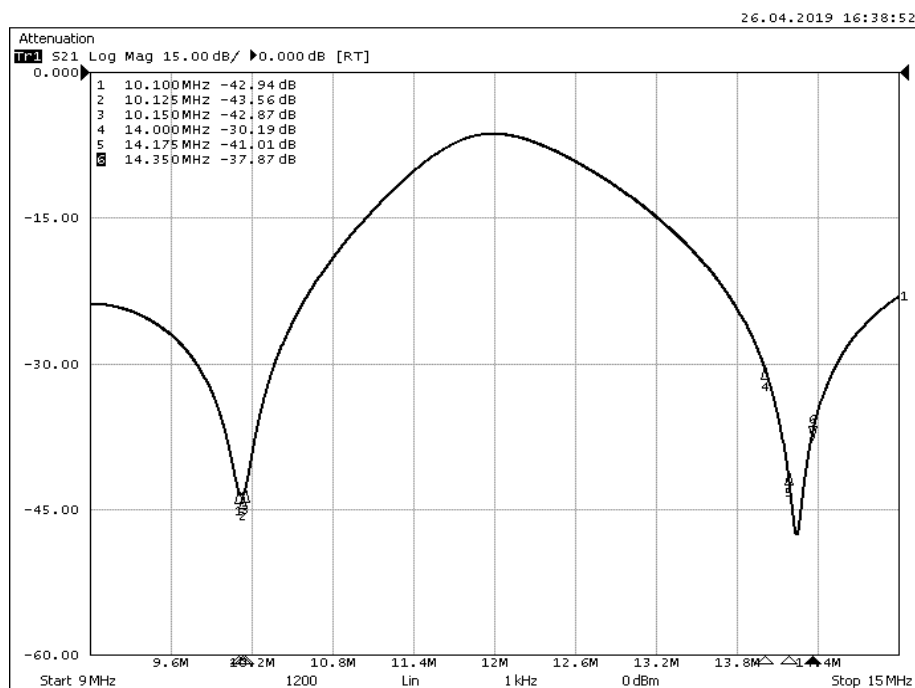
QuadPlexer, 7-10-14-18MHz, 500Watts ICAS

Specification as measured, **serial number #0419-034:**

Isolation: 7MHz port to 18MHz port



Isolation: 10MHz port to 14MHz port



QC:

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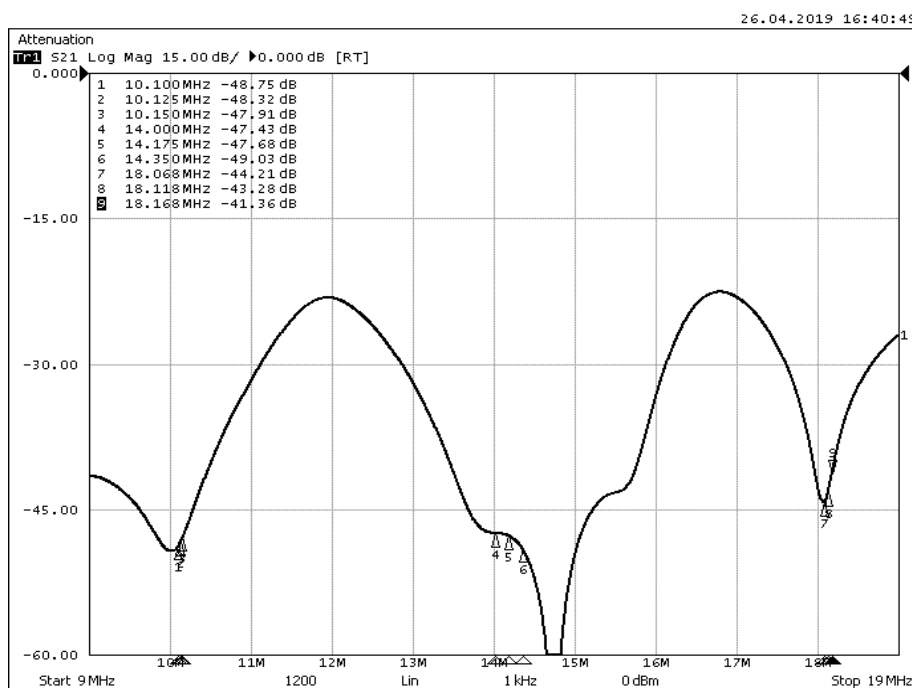
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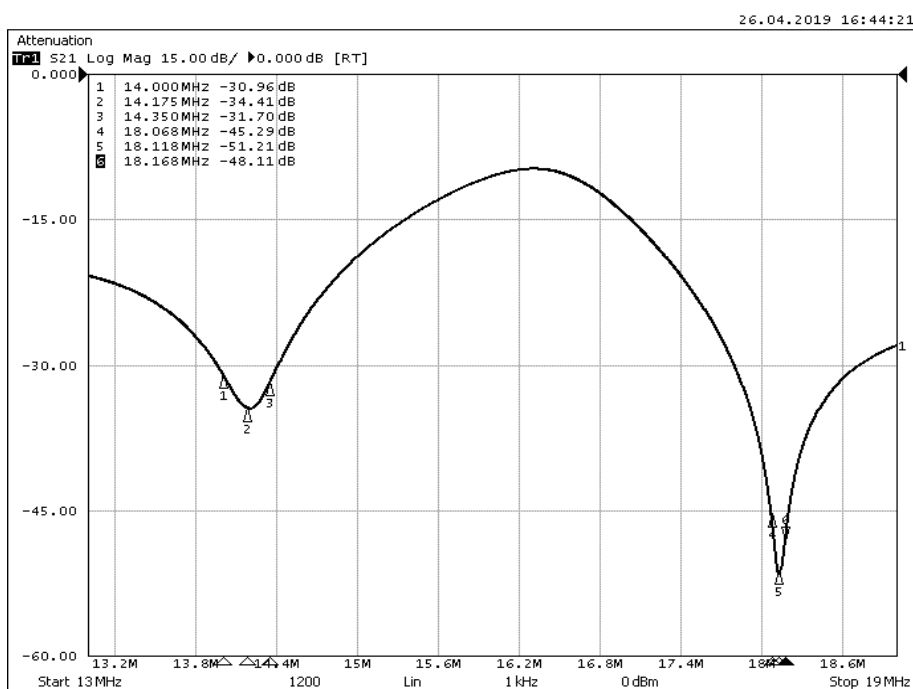
QuadPlexer, 7-10-14-18MHz, 500Watts ICAS

Specification as measured, **serial number #0419-034:**

Isolation: 10MHz port to 18MHz port



Isolation: 14MHz port to 18MHz port



QC:

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www.lowbandsystems.com

Filter solutions for HAM RADIO

«Perfo Box» series of Filters and MultiPlexers

