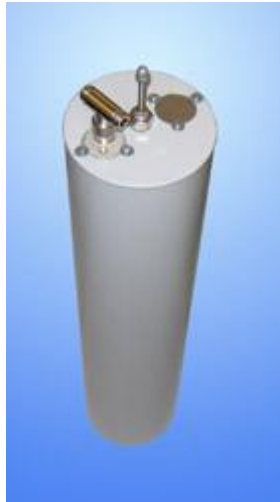




140 - 174 MHz
Bandpass/bandreject filters
PRF5-1V, PRF8-1V, PRF10-1V

107497, Moscow Chernicinsky pr-d 7/1
 Tel.: (495) 775-43-19, 462-44-14
 Tel./fax: 462-44-14
 E-mail: radial@radial.ru
 www.radial.ru

PRF5-1V



PRF5-2V



PRF8-1V



PRF8-2V



PRF10-1V



PRF10-2V



Electrical specifications

Model	PRF5-1V	PRF5-2V	PRF8-1V	PRF8-2V	PRF10-1V	PRF10-2V
Operating frequency band, MHz				140-174		

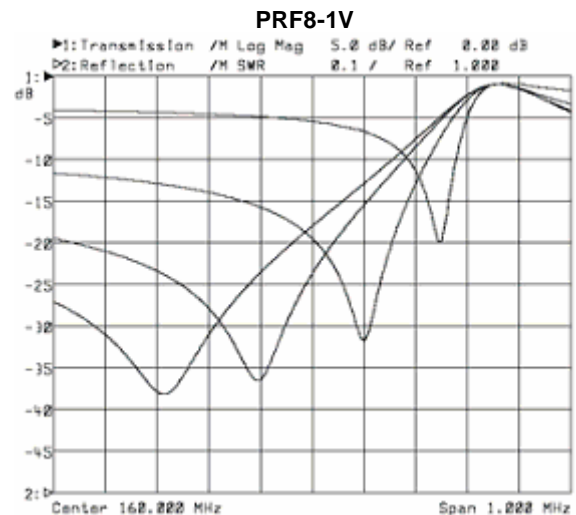
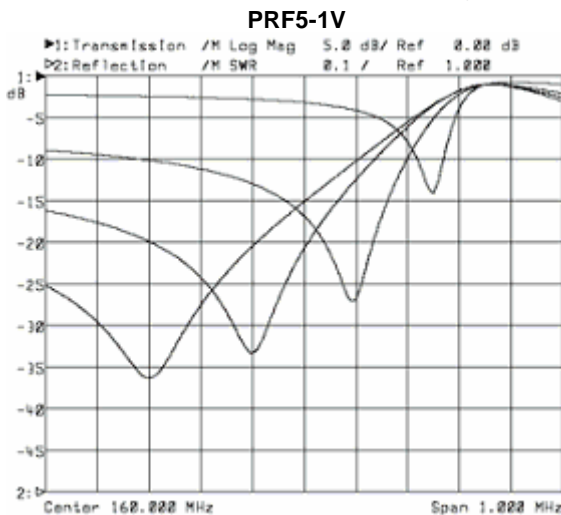
Insertion loss (adjustable), dB	0,5-3	1-3	0,5-3	1-3	0,5-3	1-3
Impedance, Ohm				50		
Rejection level, ΔfBP/BR dB	-35dB @ 0,7MHz	-75dB @ 0,6MHz	-35dB @ 0,6MHz	-75dB @ 0,5MHz	-35dB @ 0,4MHz	-75dB @ 0,3MHz
VSWR, not more than				1,5		
Input power, not more, W				not more than 300		
Temperature range with garanted stabilization, °C				from -30 to +60		
Cavity electrical length				1/4λ		

Mechanical specifications

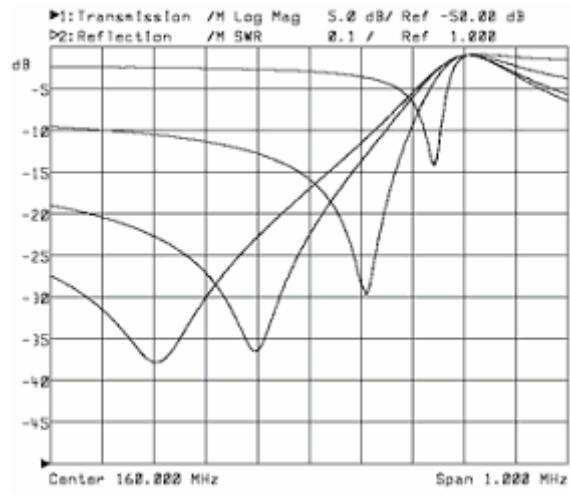
Model	PRF5-1V	PRF5-2V	PRF8-1V	PRF8-2V	PRF10-1V	PRF10-2V
Diameter, mm (ins.)		128 (5")		208 (8")		257 (10")
Weight, kg	1,8	4,2	3,3	7,3	3,9	8,5
Connector		N-female		N-female		N-female
Mount to 19-inch rack	optional	yes	optional	yes	optional	yes (horizont)
Length/Width/Depth, sm	80x12.8x12.8	80x48x14	80x20.8x20.8	80x48x21	80x25.7x25.7	80x63x26.4

Band pass-reject filter PRF5-1V is tuned to pass specific frequency and to reject another specific frequency simultaneously. Filter PRF5-1V with band pass-reject feature is essential if nearby interference is present. Install this filter in receiver antenna section and tune rejection in to interfering signal, and you will appreciably improve receiving conditions attenuating interference by 35 dB. Filter PRF5-2V has higher characteristics at corresponding loss. Unlike common bandreject filters, this filter has one very useful feature; it can be adjusted to passing with perfect VSWR without any difficulties, which can be only achieved by painstaking selection of tuning cable in bandreject filters.

Typical selectivity characteristics



PRF10-1V



2011