



## 400-490 MHz Bandpass filters PF10-1U, PF10-1UL

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

PF10-1U



PF10-2U



PF10-1UL



PF10-2UL



### Electrical specifications

Model	PF10-1U	PF10-2U	PF10-1UL	PF10-2UL
Operating Frequency band, MHz			400-490	
Insertion loss (adjustable), dB	0,5-3	1-5	0,5-3	1-5
Impedance, Ohm			50	
Attenuation			see fig.	
VSWR, not more than			1,2	
Input power, not more, W			not more than 300	
Temperature range, °C			from -30 to +60	
Cavity electrical length		1/4λ		3/4λ

### Mechanical specifications

Model	PF10-1U	PF10-2U	PF10-1UL	PF10-2UL
Diameter, mm (ins.)		257 (10")		257 (10")
Weight, kg	2,1	4,9	3,85	8,4
Connector			N-female	
Mount to rack	optional	24"	optional	24"
Length/Width/Depth, mm	360x257x257	360x630x264	800x257x257	800x630x264

Using PF10-U series filters in antenna section of radio stations and repeaters you will raise their receivers' selectivity, lower influence of out-of-band interference, escape effect of UHF blanking by nearby radio transmitters and desensitization, and eliminate intermodulation interference, also. PF10-U series filter has higher Q-factor, then 8-inch filters.

### Typical selectivity characteristics

