



## Filters for ALT 300-360 MHz band

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Model	Short description	Band, MHz
PF4-1A	Bandpass single cavity, 4", N-fem., 200 W, $1/4\lambda$	300-360
PF4-2A	Bandpass dual cavity, 4", N-fem., 200 W, $1/4\lambda$	300-360
PF10-1A	Bandpass single cavity, 10", N-fem., 300 W, $1/4\lambda$	300-360
PF10-2A	Bandpass dual cavity, 10", N-fem., 300 W, $1/4\lambda$	300-360

2009



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PF4-1A



PF4-2A



PF10-1A



PF10-2A



### Electrical specifications

Model	PF4-1A	PF10-1A
Operating frequency band, MHz		300-360
Insertion loss (adjustable), dB		0,5-3
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		$1/4\lambda$

### Mechanical specifications

Model	PF4-1A	PF10-1A
Diameter, mm (ins.)	116 (4")	257 (10")
Weight, kg	1,3	2,4
Connector		N-female
Mount to 19-inch rack		optional
Length/Width/Depth, mm	400x110x110	400x255x255

Using PF10-1A filters in antenna section of radio stations and repeaters you will raise selectivity of their receivers, lower influence of out-of-band interference, escape effect of UHF blanking by nearby radio transmitters and desensitization, and eliminate intermodulation interference, also. Filters, installed in transmitters circuit, lower stray emission level and prevent intermodulation

products occurrence. Recommended to use if equipment is installed in locations with high density of transmitting devices.

### Typical selectivity characteristics

