



400-490 MHz Bandpass filters PF8-1U, PF8-1UL

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PF8-1U



PF8-2U

PF8-1UL

PF8-2UL



Electrical specifications

Model	PF8-1U	PF8-2U	PF8-1UL	PF8-2UL
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	PF8-1U	PF8-2U	PF8-1UL	PF8-2UL
Diameter, mm (ins.)			206 (8")	
Weight, kg	1,7	4,1	3,25	7,2
Connector			N-female	
Mount to 19-inch rack	optional	yes	optional	yes
Length/Width/Depth, mm	360x206x206	360x480x210	800x206x206	800x480x210

Using PF8-U series 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.

PF8-2U and PF5-3U filter represents two and three PF8-1U filters connected in series and combined by metal brackets. They have higher characteristics at corresponding loss.

Typical selectivity characteristics

