



140-174 MHz Preselectors PS5-2V, PS5-4V, PS5-6V

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PS5-2V



PS5-6V



Electrical specifications

Model	PS5-2V	PS5-4V	PS5-6V
Operating frequency band, MHz		140-174	
Insertion loss (adjustable) not more, dB	1,5	2	3
Max. frequency bandwidth, MHz	0,3	0,7	1.5
Impedance, Ohm		50	
Gain		see figure	
VSWR, not more than		1,5	
Input power, W		not more than 300	
Temperature range, °C		from -30 to +60	
Cavity electrical length		1/4λ	

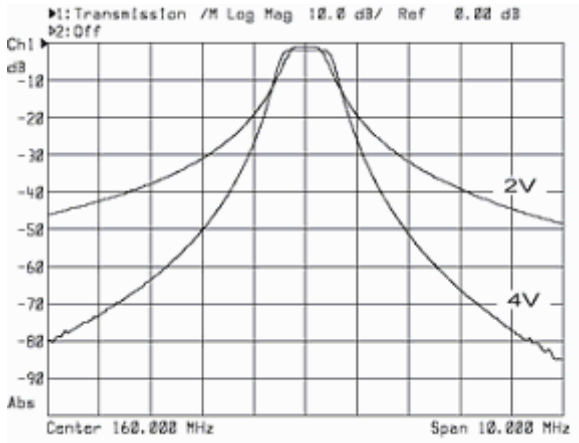
Mechanical specifications

Model	PS5-2V	PS5-4V	PS5-6V
Diameter of cavity, mm (ins.)		128 (5")	
Weight, kg	4,4	8,3	12,2
Connector		N-female	
Mount to 19-inch rack		present	
Length/Width/Depth not more, mm	800x480x140		800x480x265

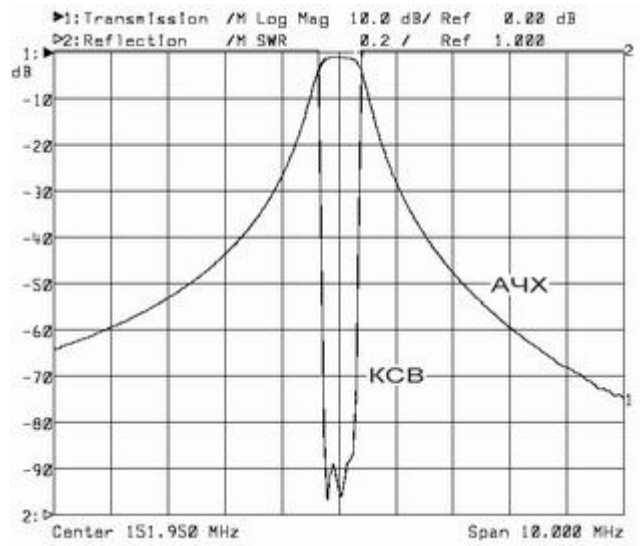
Preselectors PS5-4(6)V are based on bandpass filters and designed to pass several frequency channels and cut out the other. PS5-4V type preselectors are essential for every modern trunking communication station. Combine them with broadband antenna and receiver distribution panel and you will get finest repeater receiving section antenna system. Addition of new cavities (model PS5-6V) enables to enlarge bandwidth during communication system growth and increase in number of channels.

Preselectors typical gain-frequency characteristics

PS5-2V, PS5-4V



PS5-3V



PS5-6V

