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## 140-174 MHz Preselectors PS8-2V, PS8-4V

PS8-2V



PS8-4V



### Electrical specifications

| Model                         | PS8-2V | PS8-4V            |
|-------------------------------|--------|-------------------|
| Operating frequency band, MHz |        | 140-174           |
| Gain (adjusted), dB           | 0,8-3  | 1-4               |
| Max. frequency bandwidth, MHz | 0,3    | 0,7               |
| 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              |

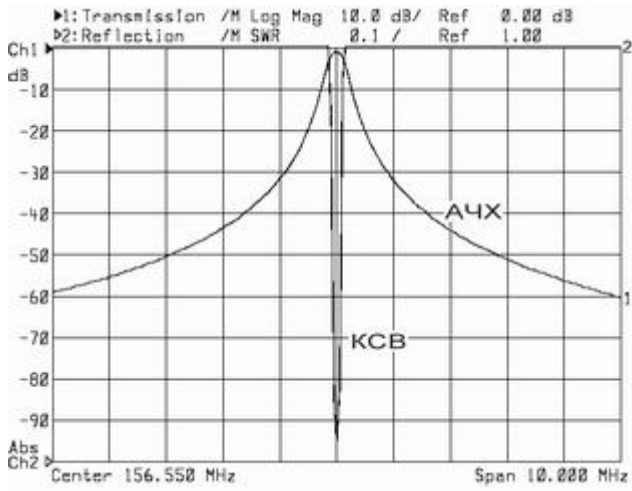
### Mechanical specifications

| Model                           | PS8-2V      | PS8-4V      |
|---------------------------------|-------------|-------------|
| Diameter of cavity, mm (ins.)   |             | 206 (8")    |
| Weight, kg                      | 7,2         | 13,9        |
| Connector                       |             | N-female    |
| Mount to 19-inch rack           |             | present     |
| Length/Width/Depth not more, mm | 800x480x210 | 800x480x420 |

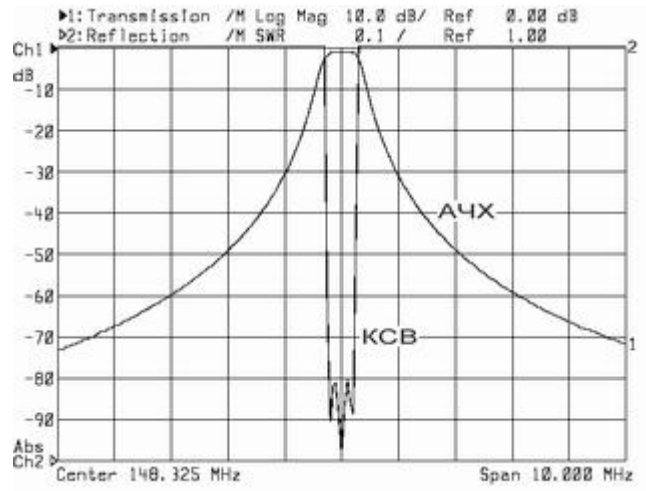
Preselectors PS8-4(6)V are based on bandpass filters and designed to pass several frequency channels and cut out the other. Combine them with broadband antenna and receiver distribution panel and you will get finest repeater receiving section antenna system. Application of 8-inch cavities provides higher preselector gain-frequency characteristic gain slope. Addition of new cavities (model PS8-6V) enables to enlarge bandwidth during communication system growth and increase in number of channels.

Preselectors typical gain-frequency characteristics

PS8-2V



PS8-3V



PS8-4V

