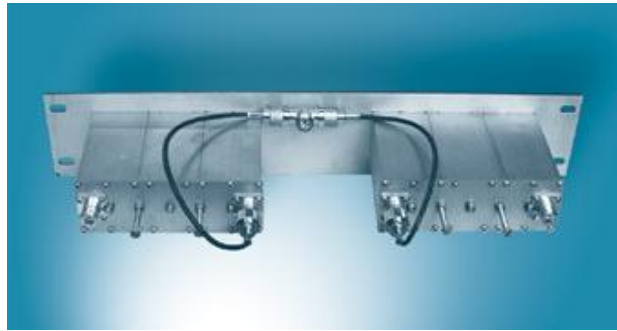




148/172 MHz Mobile duplexer DPS2-6VM



Electrical specifications

Model	DPS2-6VM
Operating Frequency band, MHz	148/172
Insertion loss (adjustable) not more, dB	1,5
Frequency separation TX/RX (min), MHz	20
Band pass, MHz	1,5
Impedance, Ohm	50
Isolation, not less, dB	80/60
VSWR, not more than	1,3
Input power, not more, W	150
Temperature Range, °C	from -30 to +50

Mechanical specifications

Model	DPS2-6VM
Weight, kg	2,5
Connector	N-female
Length/Width/Depth, mm	484x88x180
Mount to 19-inch rack	yes

This duplexer is based on two PS2-3V bandpass filters. Application range of these duplexers is very narrow. They can be used only for repeaters of multichannel sites with TX/RX frequency separation of 148/172 MHz. Passband of both arms of DPS2-6V duplexer amounts to 1.5 MHz, that's why it is advantageous to use them for complex construction of sophisticated antenna-feeder systems at governmental buildings, where telecommunications engineers in the old way install "forest" of antennas, creating interference for their own devices.

Typical DPS2-6VM duplexer response curves

