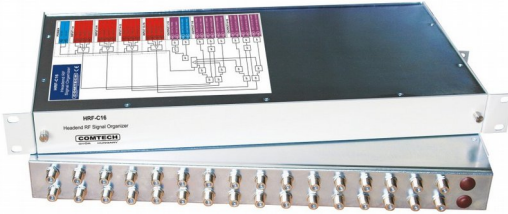


HRF-RR4 ACTIVE RETURN PATH SIGNAL ORGANIZERS OPTIMIZED FOR COAXIAL SEGMENTS

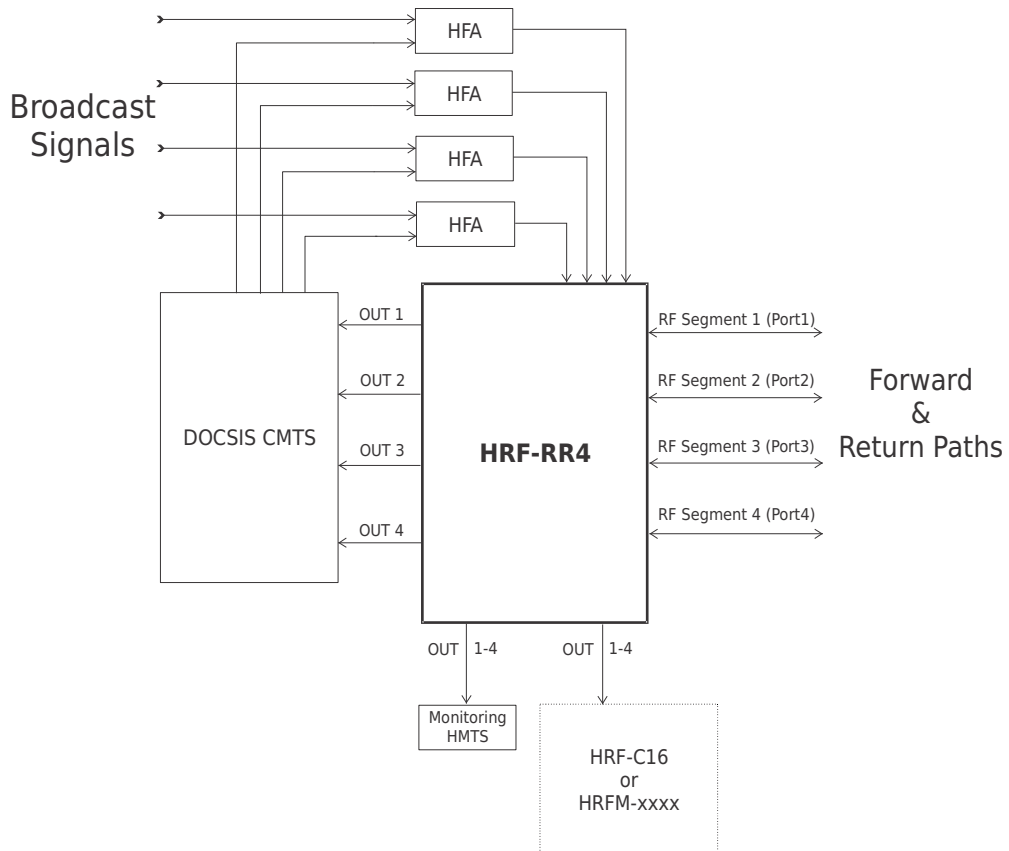


- Organizing the signals in the return path
- Passive and active splitters and directional couplers
- 1U high rack construction
- High isolation between the segments

GENERAL DESCRIPTION

New RF organizer has been created from default HRFM modules and from active elements (and other special circuits). It can solve the splitting and combining tasks on a usual headend.

HRF-RR4 device is able to split and combine 4 RF return path segments. In forward path device has 4 inputs (INPUT 1-4) and every input has the right output (PORT 1-4). These outputs are the inputs of return path too. Signal separation is done by built-in diplex filter. You can see a possible application on the following figure (other applications can be found in User Guide):

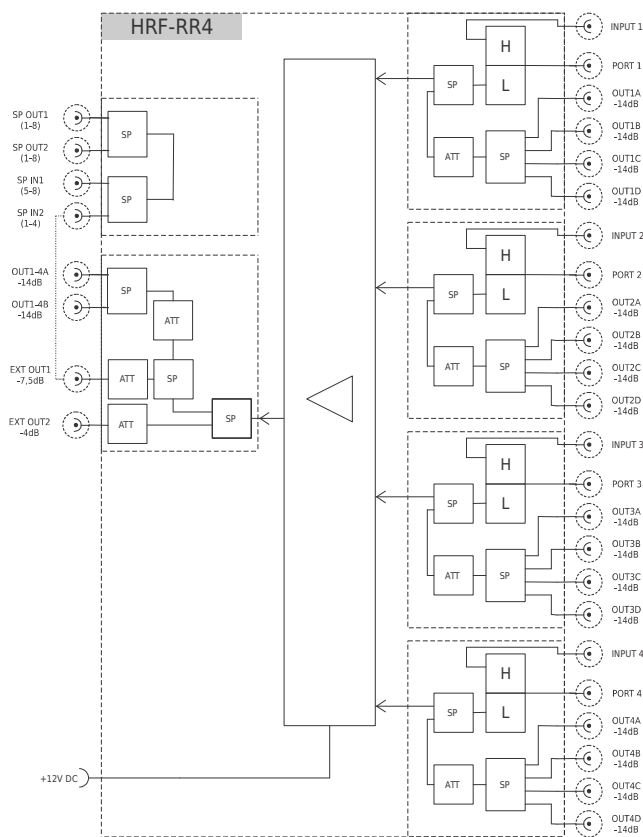


Specifications are subject to change without notice!

TECHNICAL SPECIFICATIONS

Forward path frequency range [MHz]	47(85,105)-1000
Return path frequency range [MHz]	5-30(65,85)
Flatness [dB]	±0.75
Isolation [dB]	>65
Return loss [dB]	>18
Connection impedance [Ω]	75
Screening factor [dB]	80
Power supply voltage [VDC]	12
Current consumption [mA]	75
Power consumption [W]	1
Temperature range [°C]	0...+40

BLOCK DIAGRAM



Specifications are subject to change without notice!

ORDERING INFORMATION

H R F - R R 4 - X X

RF signal organizer



Type of the built-in diplex filter	
30	30/47MHz diplex filter
65	65/85MHz diplex filter
85	85/105MHz diplex filter