

HRF-Dx HEADEND RF FORWARD PATH SIGNAL ORGANIZERS



- Forward path frequency range up to 1218 MHz
- Powering redundancy
- Optional connection to the monitoring system
- Optimal signal levels without alignment by user
- Honoured with innovation price

GENERAL DESCRIPTION

The HRF-Dx headend RF forward path signal organizer family is designed for feeding optical segments with mixed signals composed on the site. The HRF-D1 type splits the broadcast signal into 8 and it is able to add 8 different narrowcast signal to all the outputs. The HRF-D2S type has 2x8 outputs and it works with two different level narrowcast inputs. The level 1 (L1) inputs add 4 different narrowcast channels to all the outputs, while the level 2 (L2) inputs add 4 different narrowcast channels to a dedicated output. This allows to complete the spectrum of one ore more segment with signals originating from the CMTS, SDA, monitoring gateway or a local TV studio. The devices can be powered by the 1U sized HRF-PS type redundant power supply unit.

TECHNICAL SPECIFICATIONS

Forward path RF parameters	HRF-D1	HRF-D2S
Number of broadcast input		1
Number of level 1 narrowcast inputs	8	4
Number of level 2 narrowcast inputs	0	8 x 4
Number of outputs	8	2 x 8
Frequency range [MHz]		47...1218
Nominal output level [dBμV]	95 ⁽¹⁾	2 x 80 ⁽¹⁾
Broadcast input level [dBμV]		95 ⁽²⁾
Narrowcast input level [dBμV]		106 ⁽²⁾
Flatness [dB]		±0.75
Return loss [dB]		>16
CTB [dB]		-69 ⁽²⁾
CSO [dB]		-68 ⁽²⁾

Specifications are subject to change without notice!

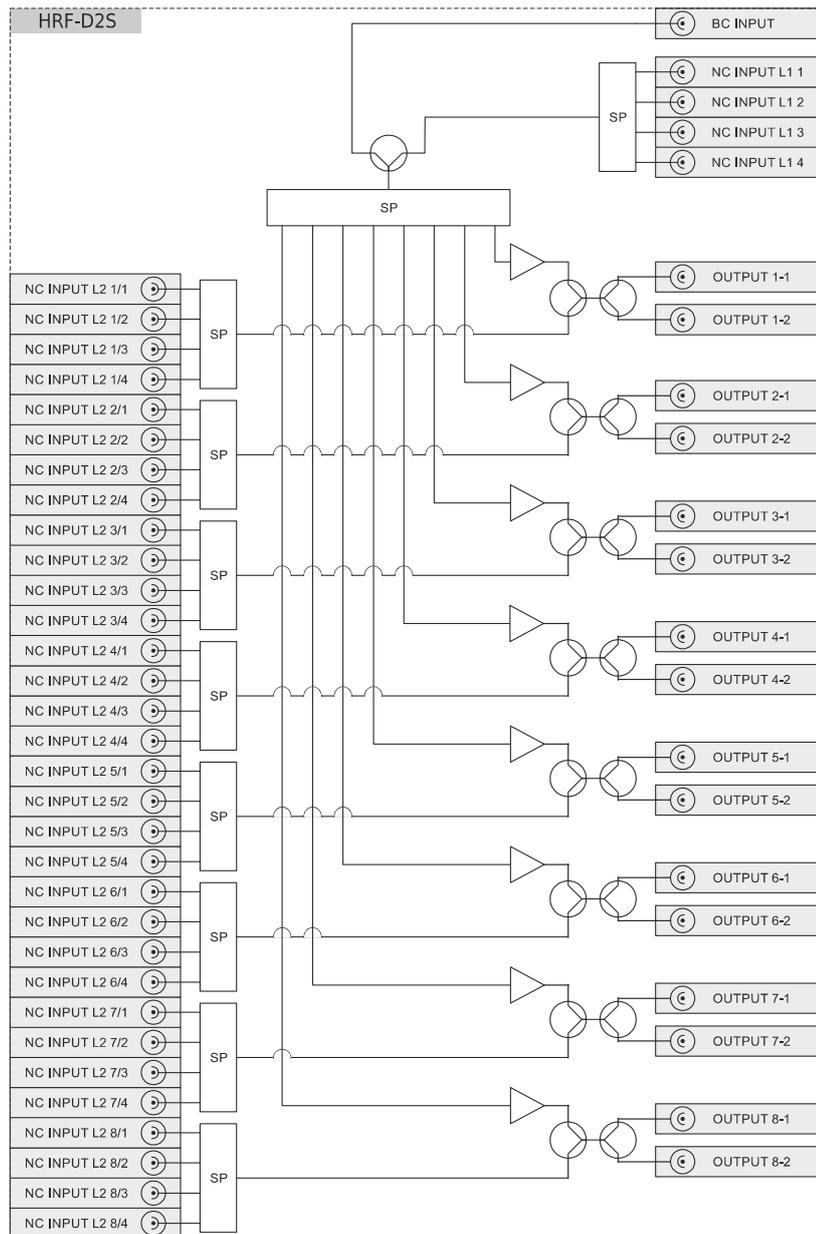
General parameters

RF connector
 Power supply voltage [VDC]
 Maximum power consumption [W]
 Screening factor [dB]
 Operational temperature range [°C]
 Dimensions [mm]
 Weight [kg]

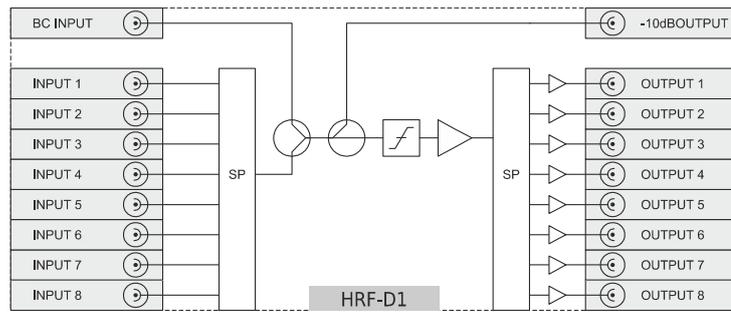
	HRF-D1	HRF-D2S
RF connector		F
Power supply voltage [VDC]		12
Maximum power consumption [W]	16	10
Screening factor [dB]		80
Operational temperature range [°C]		0...+40
Dimensions [mm]	43.5x483x260	
Weight [kg]	3.8	

(1) Analog carrier level
 (2) 79 analog channels with nominal output level

BLOCK DIAGRAMS



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ORDERING INFORMATION

H R F - D X

Construction	
1	8 narrowcast inputs (1 level), 8 outputs
2S	8x4 + 4 narrowcast inputs (2 levels), 8x2 outputs

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