AF-XX.1002 & AF-XX.1218 Headend Forward Amplifier

*All pes of amplifiers provided in die-cast housing and supplied separately. Amplifiers fit for chassis **HA-101** and **HA-104.** Low distortions, good flatness cross working frequency band and low signal reflections from input and output determinate area of application of that amplifiers - modern Headends and hub sites.*

Each amplifier has positions for plug-in Attenuators and Equalizers. Available value of Attenuators and Equalizers from 1 to 12 dB with 1 dB step (supplied separately). Customized values available.

The –30 dB Test Port optionally can be added to Amplifier. For that type of amplifier additional letter "T" added at the end of Part Number.

Amplifier's Specifications:

		Standard Frequency Range			
Type of Amplifier:		**AF-20.1002**	**AF-25.1002**	**AF-27.1002**	**AF-30.1002**
Parameters:	*Units*	*Specifications*			
Frequency	MHz	45-1002			
Gain (1002MHz)	dB	20±0.5	25±0.5	27±0.5	30±0.5
Gain Flatness, max	dB	±0.5			
I/O Return Loss, min	dB	20/20			
Noise Figure	dB	6.5 max	5.5 max	5.0 max	4.5 max
Output Signal Level	dBmV	52 max	52 max	52 max	53 max
CTB	dBc	-65	-65	-65	-65
CSO	dBc	-67	-67	-67	-65
XMOD	dBc	-62	-62	-62	-62
CIN	dBc	-	-	-	-
Current Consumption (24V)	mA	440 max	440 max	440 max	440 max
Measurement conditions:		79 Analog Channels, 7 dB Tilt			

		Extended Frequency Range		
Type of Amplifier:		**AF-22.1218**	**AF-24.1218**	**AF-27.1218**
Parameters:	*Units*	*Specifications*		
Frequency	MHz	45 - 1218		
Gain (1218MHz)	dB	22±0.5	24±0.5	27±0.5
Gain Flatness, max	dB	±0.5		
I/O Return Loss, min	dB	18/18		
Noise Figure	dB	4.0 max	4.0 max	4.0 max
Output Signal Level	dBmV	60 max	60 max	55 max
CTB	dBc	-80	-80	-82
CSO	dBc	-80	-80	-80
XMOD	dBc	-78	-75	-75
CIN	dBc	-59	-58	-60
Current Consumption (24V)	mA	450 max	450 max	450 max
Measurement conditions:		V max at 1200 MHz 16.5 dB Extrapolated Tilt, 79 Analog and 111 Digital Channels -6 dB Offset		

THREE YEAR PARTS AND LABOR WARRANTY INCLUDED

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