

UBA Series Ultra Broadband Distribution Amplifiers are developed for distribution systems with combined SAT-IF (950-2150MHz) and CATV (5-862 MHz) signals over signal coaxial cable.

Low noise MMIC technology implemented in the IF(950-2150 MHz) frequency range provides low distortions.

Die cast metal housing provided excellent RFI shielding.



CATV + SAT Amplifier

Combined SAT-IF / CATV Amplifier developed for ultra broadband distribution networks.

Gain and Equalization Controls

Built-in variable gain and slope controls enable optimized field performance in different network conditions.

IP54 Housing

Diecast aluminum housing with advanced heat dissipation and screening provides high durability against dust and water.

Bi-Directional Test Points

Input and output test points enable easy setup and performance monitoring without service interruption.

RF Parameters

Forward (Down-Stream)	
Technology	Si-Bipolar, 2 GHz
Forward Bandwidth	47-862 MHz + 950-2150 MHz (RF+IF)
Gain	RF: 33 dB, IF:33..38 dB
Gain Response Flatness	RF:+/-1,5 dB, IF: sloped
Gain Control	0...20 dB with variable attenuator
Cable Slope Control (Input)	RF: 0...20 dB, IF: 0-10 dB
<i>Output Level (EN 50083-3, Cenelec 42 ch load with flat output level)</i>	
CTB ≥ 60 dBc	104 dBuV
CSO ≥ 60 dBc	103 dBuV
XMOD ≥ 60 dBc	100 dBuV
IF Output Level (IMD3 -35dB, EN50083-5)	120 dBuV
Isolation (SAT- UHF/VHF)	> 35 dB
Noise Figure	RF: < 7 dB, IF: < 6 dB
Return Loss (Input & Output)	RF: -12 dB, IF: -10 dB
Return (Up-Stream)	
Reverse Bandwidth	5-30 / 5-42 / 5-65 MHz
Gain	17 dB
Gain Response Flatness	+/-1.5 dB
Gain Control (Output)	0...20 dB with variable attenuator
Output Level (-60dB IMD3)	118 dBuV
Return Loss (Input & Output)	-12 dB
Noise Figure	< 6 dB
General Features	
Number of Outputs	1 RF+IF Çıkış (47-862 MHz + 950-2150 MHz)
RFI Isolation (5-1000 MHz)	-30 dB
Surge Protection	≥ 85 dB
Powering	230 VAC
Power Consumption	15 Watt
Operating Environment Temperature	-10...+55 C°
Housing	IP54 class protection, diecast housing
Dimension and Weight	210 x 168 x 88 mm ve 2,80 kg

