



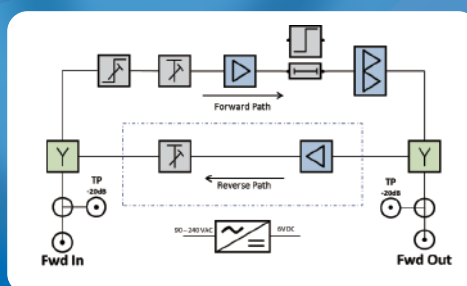
1 GHz CATV Amplifier

AMP86234AITRM

Features

Made In Europe

- 1 GHz GaAs E-pHEMT push pull technology
- Gain and equalization controls
- Mains powered 90-240 VAC or 24-65 VAC
- IP54 Ultra compact and tough housing
- Easy installation
- Secure and reliable
- Efficient overvoltage and surge protection



Specifications

Model			AMP86234AITRM			
RF Parameters Forward (Down-Stream)	Technology	GaAs E-pHEMT MMIC	RF Parameters Return (Up-Stream)	Reverse Bandwidth Options	5 ~ 42 MHz	
	Forward Bandwidth Options	54 ~ 1000 MHz		Gain	17 dB	
	Gain	35 dB		Gain Response Flatness	+/-1 dB	
	Gain Response Flatness	+/-1 dB		Gain Control Options (Output)	0...20 dB variable	
	Gain Control Options (Input)	0...20 dB variable		RF Test Points	-20dB (Bi-directional)	
	Cable Slope Control Options (Input)	0...20 dB variable		Distortions	CTB,46dBmV flat,under 4ch	-70 dBc
	Cable Slope Control (Mid-Stage)	0/8dB jumper selectable			CSO,46dBmV flat,under 4ch	-60 dBc
	RF Test Points	-20dB (Bi-directional)			XMOD,46dBmV flat,under 4ch	-63 dBc
	Output Level (EN 50083-3, Cenelec 42 ch load with with 6 dB tilted output level output level)	CTB ≥ 60 dBc: 108 dBuV		Output level (EN 50083-3, Cenelec 42ch load with flat output level)	CTB 60dBc	108 dBuV
		CSO ≥ 60 dBc: 110 dBuV			CSO 60dBc	110 dBuV
		XMOD ≥ 60 dBc: 107 dBuV			XMOD 60dBc	107 dBuV
	Output Level (EN 50083-3, Cenelec 42 ch load with flat output level)	CTB ≥ 60 dBc: 111 dBuV		Noise Power Ratio (NPR veya CINR)	64 @ 24dBmV input power	
		CSO ≥ 60 dBc: 113 dBuV		Input Dynamic Range @NPR=41dB	46dB (-3...43dBmV)	
		XMOD ≥ 60 dBc: 110 dBuV		Return Loss (Input & Output)	-16 dB	
Output Level (-60dB IMD3)	120 dBuV	Noise Figure	< 6 dB			
Noise Figure	< 6 dB					
Return Loss (Input & Output)	-14 dB					
General	Number of Outputs	1 bidirectional output 5 ~ 1000MHz and 1 test output				
	Input / Output Interface	F, 75Ω				
	RFI Isolation (5-1000 MHz)	-70 dB				
	Surge Protection	IEEE C62.41 Cat.A3 (6kV,200A)				
	Powering Options	90 ~ 240 VAC (Mains)				
	Power Consumption	4 Watt				
	Operating Temperature	-30...+60°C				
	Housing	IP54 class protection, die-cast housing				
	Dimension	134 x 139 x 51 mm				
Weight	0.70 kg					

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.