



INTEGRAL TECHNOLOGIES

MA-ACM-86

ADJACENT CHANNEL MODULATOR

Features

The MA-MOD-86 intelligent adjacent channel modulator is high-performance type front-end equipment, and mainly used as video and audio signal adjacent channel modulating. The equipment adopts Micro computer advanced IF-frequency and PLL technology, high frequency stability and low signal distortion. Suitable for large or middle-size CATV system. Built-in Hybrid amplifier circuit gives high RF output above 110 duV. With 20 digits LCD screen



Technical characteristics

ITEM	UNIT	PARAMETER
RF Parameter		
Output Frequency	MHz	47 ~ 866.25
Max Output Level	dB _μ V	92 ~ 115
Output Level Range	dB	20
Video/Audio Carrier Ratio	dB	-13 ~ -20
Out of Band Rejection	dB	-62
Frequency Stability	KHz	±3
Output Impedance	Ω	75
Output Return Loss	dB	≥ 16
Video Parameter		
Input Level	Vp-p	1 @87.5%
Differential Gain	%	≤ 5 @87.5%
Differential Phase	°	≤ 5 @87.5%
C/L Delay	ns	≤ 45
Video Modulation Depth	dB	72.5 ~ 90 (87.5 TYP)
Video Medium Frequency	MHz	38
Video to Noise Ratio		≤ 60
Video Frequency Response	dB	±0.75 MAX
Audio Parameter		
Output Level	Vp-p	0.4 (±50 KHz)
Output Impedance	KΩ	10(Unbalanced)
Pre-distortion	%	≤ 0.4
Audio with Frequency	MHz	4.5、5.5、6.0、6.5 (Optional)
Pre-amphsise	μSEC	50
Audio to Noise Ratio	dB	≥ 55
Audio Frequency Response	dB	±0.5
General Performance		
Supply Voltage	V	AC 180 ~ 250
Consumption	W	≤ 10
Dimension	mm	483 (L) × 255 (W) × 44 (H)