RF Modulator

UDC RF Modulator RFM212-D is a Compact & Weight design . The device could be mounted directly onto the equipment mother board . It is multi-application device such as VCR , Laser disk , Satellite Receive & CATV terminal box etc.

Features

- Excellent video & audio performance
- High gain antenna booster amplifier
- Excellent frequency stability at temperature from 0° C to 60° C
- Compact and reliable
- Built-in white clip circuit to eliminate bus noise
- Built-in test signal generator for alignment and test

Technical specification

VIDEO SECTION

DEO SECTION		
Video input level	:	1V p-p
Video modulation level (PAL 50%)	:	75%
Video input impedance	:	75 ohm unbalanced
Differential phase	:	10° max.
Differential gain	:	10% max.

AUDIO SECTION

Input level	:	1V p-p 100% modulation at 1 KHz
Modulation factor	:	100% mod. \pm 50 KHz
Iinput impedance	:	10K ohm min. unbalanced
Total harmonic distotion	:	3% max.
Audio S/N ratio	:	45dB min .

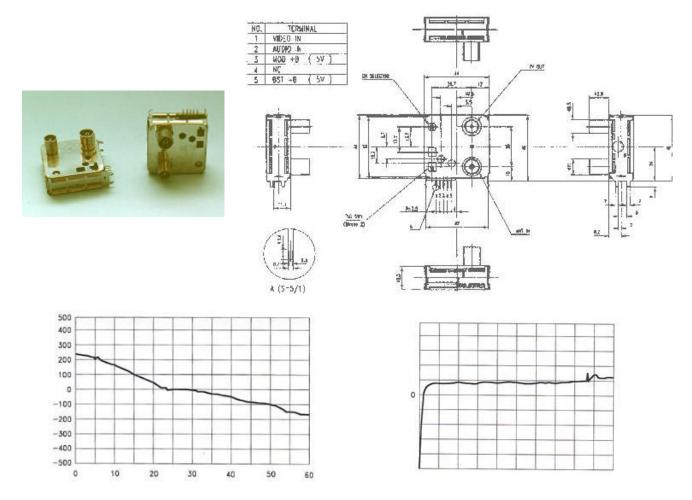
RF SECTION

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	Output channel	:	UHF 30-40 (CCIR) (Set CH=36CH [591.25MHz ±0.5 MHz] or customers information)
	Output level	:	$73 \text{ dB } \mu \text{V} \pm 4$
	Differential in output level	:	$-16 \text{ dB} \pm 4$
	(Vision to sound)		
	Spurious signal within assigned band	:	-60 dB
	Spurious signal outsite assigned band	:	-40 dB
	Carrier frequency stability / temp.	:	± 600 KHz from 0° C to 60° C
	Inter carrier frequency accuracy	:	$6.5 \text{ MHz} \pm 8 \text{ KHz}$ (System D)
17	FENNA RF AMPLIFIER SECTION	[
	Passband	:	47-862 MHz
	Input & Output Impedance	:	75 ohm

Input & Output Impedance	:	75 ohm
Gain	:	$4.5 \text{ dB} \pm 3$
DC Power		
Supply Voltage	:	5 V DC
Current consumption	:	60 mA

RF Connector for RF Ant. Input and TV out.



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