# **RF Modulator**

UDC RF Modulator RFM212-N 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 Video input level 1V p-p : Video modulation level (PAL 50%) : 75% . . Vidoo in ıt im

Video input impedance	:	75 ohm unbalanced
Difference phase	:	10° max.
Differential gain	:	10% max.

### AUDIO SECTION

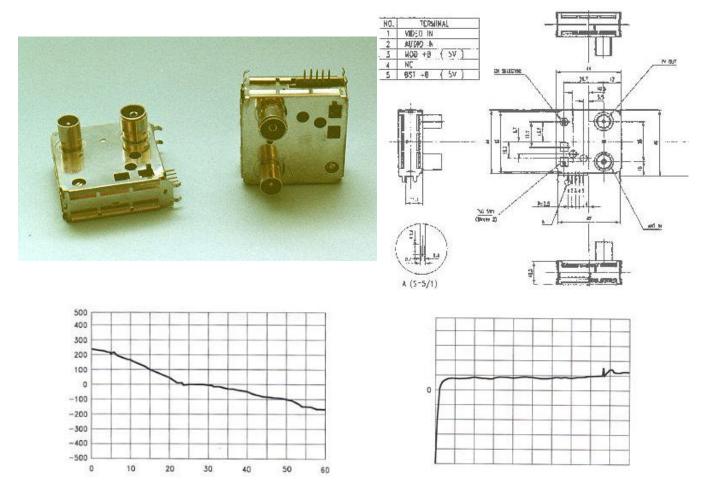
:	1V p-p 100% modulation at 1 KHz
:	100% mod. $\pm$ 25 KHz
:	10K ohm min. unbalanced
:	3% max.
:	45dB min .
	:

#### **RF SECTION**

	Output channel	:	UHF 30-40 ( CCIR )
	1	•	(Set CH=36CH [ 591.25MHz ±0.5 MHz ] or customers information )
	Output level	:	$70 \text{ dB} \mu\text{V} \pm 4$
	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.	:	$\pm 600 \text{ KHz} \text{ from } 0^{\circ} \text{ C to } 60^{\circ} \text{ C}$
	Inter carrier frequency accuracy	:	$4.5 \text{ MHz} \pm 8 \text{ KHz}$ (System N)
A	NTENNA RF AMPLIFIER SECTION		
	Deschand		47 862 MHz

#### Passband : 47-862 MHz 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.



## **UDC ELECTRONIC INDUSTRY LIMITED**

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