



Eyal Microwave Ltd.  
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## Specification for

## UP Converter

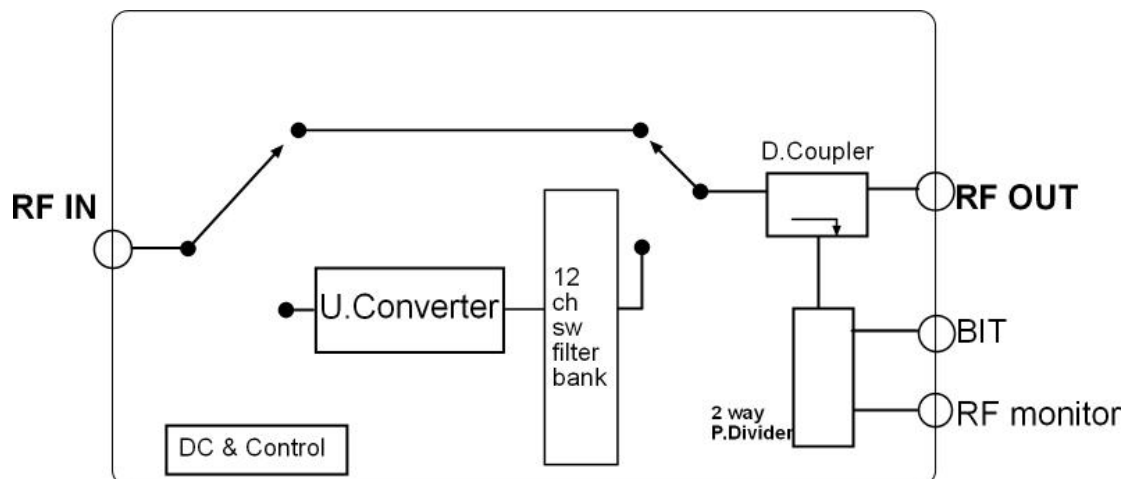
## MODEL: VUC-2366-01

### General Description:

The unit switched the input signal in between 2 RF channels.  
At the NB channel input signal go directly to output.  
At the WB channel input signal go trough up conversion.

The module contain of RF power controlling to keep signal power out to the desired level. The output port contain of RF monitoring as well as BIT output.

### Principal block diagram





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## **Electrical specification**

Input RF signal	10.0 ÷ 999 MHz
RF input level	17 dBm
IP2 & IP3	-40dBc min
Spurious	-60dBc
In Out VSWR	1.5:1
Switches switching speed	1.0 mSec max.
Switches control	TTL
RF output level	0 dBm ±1dBm
RF out frequency range	See table
Switch filter bank speed	1.0 mSec max
Filter bank control	TTL
Power supply	+5V & +12V
Operating temperature range	-35°C to +60°C

## **RF Frequency out table**

FLT 1	20 ÷ 110 MHz
FLT 2	100 ÷ 190 MHz
FLT 3	140 ÷ 230 MHz
FLT 4	230 ÷ 320 MHz
FLT 5	320 ÷ 410 MHz
FLT 6	410 ÷ 500 MHz
FLT 7	500 ÷ 590 MHz
FLT 8	590 ÷ 680 MHz
FLT 9	680 ÷ 770 MHz
FLT 10	770 ÷ 860 MHz
FLT 11	860 ÷ 950 MHz
FLT 12	950 ÷ 1040 MHz

Mechanical size (mm): 100 X 100 x 16

RF Connectors: SMA (f)

## **Environmental:**

Vibration	MIL-STD 810 Method 514.4 table 514.4
Humidity	MIL-STD 810E Method 507.3
Salt fog	MIL-STD 810E Method 509.3
Mechanical Shock	MIL-STD 810E Method 516.4