

4 CHANNELS VHF RECEIVER

- **LOW PHASE NOISE**
- **HIGH RELIABILITY**
- **COMPACT DESIGN**

This unit is a competitively priced VHF source intended for use in telecommunications. It is a compact, reliable unit with state of the art electrical specifications.

Electrical characteristics:

Number of Channels	4
Input Frequency Range	35 – 70 MHz
Input VSWR	1.5 : 1
Input Noise Figure	5 dB max. (@ max. Gain)
Input Switched Filter	5 subband / channel
Maximum Input Power	20 dBm
Receiver Bandwidth	50 kHz
IF Filter Form Factor	1:3 @ -3dB : -60dB atten
First Local Oscillator Frequency	55.75 MHz – 92.75 MHz
Second Local Oscillator Frequency	22.6 MHz
Output IF1 Frequency	22.75 MHz
Output IF2 Frequency	150 kHz
Output Level	1 Veff / 50 ohm (13 dBm)
Gain	70 dB min.
Gain Control	0 – 6 – 12 – 18 dB in RF path 0 – 3 – 6 – 9 dB in IF path
Cross Coupling between Channels	- 60 dB
Image Rejection	80 dB
Output IP3	+ 30 dBm min.
Frequency Step	10 kHz
Switching Time	0.5 msec typ. (1 msec max.)
Phase Noise	-120 dBc/Hz @ 1 kHz -125 dBc/Hz @ 10 kHz -135 dBc/Hz @ 100 kHz -150 dBc/Hz @ 1 MHz
Frequency and Gain Control	RS-232
Supply Voltage	+12 V DC
Operating Temperature Range	-20°C to + 60°C
Mechanical size	325 x 193 x 28

Specifications are subject to change without notice.

Picture:

