

FM – 2ST

FREQUENCY AGILE RADIO MODULATOR FOR FM BAND



FM-2 is frequency agile stereo radio modulator for FM broadcast band.

It is a versatile instrument for adding digital radio channels and the audio of music TV channels to CATV or MATV network.

FM-2 contains a digital phase-lock-loop (PLL) output frequency control system.

Technical specification

RF

- ❑ Modulation FM max, ± 75 kHz, Stereo CCIR Pilot tone
- ❑ Output frequency 88...108 MHz
- ❑ Tuning steps 100 kHz
- ❑ Output level 128 dB μ V / 100mW
- ❑ Spurious products ≤ 60 dBc
- ❑ Output impedance 75 ohm

Audio

- ❑ Nominal input level 0,5 Vrms
- ❑ Frequency response 40 Hz...15 kHz $\pm 0,5$ dB
- ❑ Distortion $< 0,5$ %
- ❑ Pre-emphasis 50 μ s
- ❑ Signal to noise ratio > 40 dB
- ❑ Input impedance 10 kohm

General

- ❑ Power max. 15 V/450 mA
- ❑ Dimensions 110 mm H, 130 mm W, 40 mm D

