

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 120 dB μ V
- 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