

## Professional FM Stereo Exciter (PLL-10830K)



### Features

- Frequency range 87.5 – 108 MHz
- Broadband design
- RF output 0.3 to 0.5 watt
- Build in high quality stereo encoder
- Build in 15KHz filter
- High quality sound
- Balanced audio input
- Audio input Level adjustable
- Build in limiter ON/OFF
- SMD design
- Level audio input L&R display
- LCD display 16x2

### General Specifications:

Frequency Range	: 87.5 – 108 MHz
Frequency step	: 10 KHz
Frequency control	: PLL Synthesizer & Microprocessor
Frequency select	: Button UP or DOWN
Frequency stability	: <+-300Hz
Frequency deviation	: +- 75 KHz (Limiter ON), up to 140 KHz (Limiter OFF)
Power output	: 0.3 to 0.5 watt
Output impedance	: 50 ohm
Second harmonic	: >-35dBc
Audio frequency response	: 10Hz – 15KHz
Audio input connector	: XLR Female
Audio input impedance	: 10KHz
Audio input level	: -6dB to +12dB adjustable
Audio frequency response	: 10Hz – 15KHz
Pre emphasis	: 50us (0us or 75us on request)
Stereo S/N FM ratio	: >65 dB (@+- 75 KHz deviation)
Channel separation	: >45dB
Panel control	: 3 Button
Display parameter	: Frequency, Modulation level, Left&Right input level
Display	: LCD size 16X2

### Physical and Environmental Specifications:

General	: FM Stereo Exciter
Operating Temperature	: -10°C to +50°C (+14°F to +122°F)
DC input requirement	: 24-0-24 Volts@1A, 0V (24-0-24V)
Size	: 13.0 X 27.0 X 4.0 cm. (W x H x D)
Weight	: 0.5 Kg.