

M SERIES

Analog Solid State VHF Transmitter
250watts to 80kW and beyond



M SERIES 6kW

M Series: The Evolution of Absolute Performance

Trusted, tested and true - LARCAN's M Series combines technological innovation with our renowned expertise and experience in broadcast solutions worldwide.

M Series is the original in state-of-the-art high power broadcast technology. Its reputation for delivering the absolute in performance is the result of our commitment to providing you with optimized solutions.

Performance-driven to ensure you a solid broadcast signal - M Series is the ultimate in design simplicity and dependability.

M Series: Design Simplicity and Performance Innovation Defined.
Experience Analog at its Best.

Choose 250watts to 80kW and beyond!

- **Accepted World Standard**
- **The Ultimate in Design Simplicity**
- **Highly Linear Solid State Broadband PA Modules**
- **High Power Stripline Combining Techniques**
- **Rugged Linear Power Supplies**
- **Reliable with Proven Dependability**
- **Modular for Ease of Service**
- **Extensive Monitoring & Diagnostics**
- **Versatile 'Pull-thru' cooling system design simplifies installation**
- **Custom Solutions and configurations to fit your needs**

M SERIES

Analog Solid State VHF Transmitter

LOOK TO LARCAN FOR TRULY MADE TO MEASURE SOLUTIONS

LARCAN's M Series is 'customer-fit' engineered to produce a superior analog signal - Loud and Clear, every time. M Series is the definitive in solid state design - the evolution of absolute performance.

M Series includes a full range of high performance TV broadcast transmitters -using LARCAN's own proven Solid State and broadband technologies.

M Series integrates our simple and innovative approach to solid state design to deliver customized solutions fit to your specific needs. Field proven worldwide, our M Series is a rugged and renowned choice for broadcasters - everywhere.

A high performance solution for your broadcast needs - M Series delivers uncompromised quality, reliability, and serviceability. Field proven for digital broadcasting, we provide optimum strength for your analog signal - making your future transition to digital a smooth and successful one.

Looking for a Better Fit?
We hear you. Loud and clear.



LARCAN
Leaders in Stripline
Technology

LARCAN
We hear you. Loud and clear.

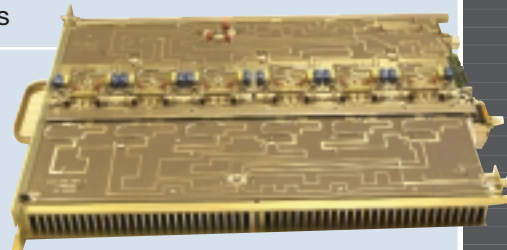
M Series 6kW Specifications

NTSC Transmitter

Output	Power Frequency Output Connector	6kw Visual / 600w Aural 54-88 MHz / 174-216 MHz 1 5/8" EIA Unflanged
Input	Input Impedance Input Level	75 ohms, unbalanced 0.5 to 2.0 V p-p
Performance	-3.58 MHz -1.25 MHz and lower Carrier to -0.5 MHz Carrier to +200 kHz Carrier to +4.0 MHz 4.0 MHz to 4.18 MHz 4.75 MHz to 7.75 MHz Frequency Stability Harmonic Radiation	-42 dB -24 dB +0.5 dB 0 dB (ref) ±0.5 dB 0.5-1.0 dB -40 dB ±200 Hz -80 dB
Video	Differential Phase Differential Gain Variation with Brightness 2T Pulse Response ICPM Video Noise	±1° 3% ±0.5 dB 1% ±2° -55 dB
Audio	FM Noise AM Noise Distortion Response	-62 dB -60 dB 0.5% ±0.5 dB
General	Power Requirements Voltage Temp Range	12kW Black Picture 200 to 242 VAC 3 Phase 4 wire 0 to +45° C
Dimensions	Height Width Depth	78.75 inches 29.5 inches 38 inches

Each of our Analog VHF transmitters are designed with LARCAN's world-renowned broadband solid state technology, FET-based amplifiers and unique broadband stripline combining techniques.

The result is innovation - unprecedented levels of power density and superior linearity.



**LARCAN Broadband
Solid State Technology**

U.S. Tel: 1-303-665-8000 • Fax: 1-303-673-9900 Canada Tel: 1-905-564-9222 • Fax: 1-905-564-9244
www.larcan.com

Email: sales@larcan.com