

PLATINIUM

FW870



Description

- Applicable for 47~870MHz system, Agile channel output, specially designed for large scale system
 - Man machine dialogue function - Video frequency AGC function - RS485, RS232 net administration function
 - I2 C Bus control - LCD Display: Radio frequency, Video/Audio medium frequency, Video frequency modulating scale, Audio frequency modulating deviation, RF output level, A/V ratio, etc.
 - Audio noise reduction (optional) - Clamping and non-clamping switch, easy for Video frequency scrambler - Intermediate frequency modulating, Video/Audio medium frequency signal input, output port can be applied for interference loading for fee-paid TV system
 - In accordance to adjacent frequency design, no interference between adjacent channels
 - Local oscillation adopting unique phase-locked loop (PLL) circuit, phase noise extremely low, video becoming more clearly and stably
 - Having RF automatic amplitude-stabilizing circuit, making front-end system becoming more stable and reliable
 - RF output adopting modular amplification, ensuring RF output dynamic and parasite suppressing
 - Adopting unique diode dual-balance modulating, good linearity, low noise, modulator's indexes, such as S/N, C/N, DG, DP, have achieved internationally advanced level
 - Surface mount technology, ensuring the accordance of entire machine - 19' 1U standard structure, independent power supply, elegant exterior design
- Specification:
- RF: IF 38MHz output return loss ≥ 15 dB (VHF) ≥ 12 dB (UHF) output level ≥ 120 dB μ V (typical value) C/N ≥ 65 dB (fc ± 4 MHz) ≥ 70 dB (fc ± 8 MHz) ≥ 80 dB (fc ± 16 MHz) output suppression ≥ 62 dB- Video: Degree of modulation signal $\geq 87.5\%$ Flatness in operating band ± 0.5 dB (worst case no more than 0.75 dB) K-2T Factor $\leq 2\%$ Delay difference of color of light ≤ 30 ns video S/N ≥ 58 dB (non coefficient added) ≥ 64 dB (coefficient added) - Audio: Maximum partial frequency of audio ± 50 KHz audio flatness $\leq \pm 0.5$ dB (40Hz~15KHz) audio distortion degree $\leq 1\%$ audio S/N ≥ 65 dB



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