EMLT-1550-ER | EM Transmitter - Extended Range



The QAMnet EMLT-1550-ER series of laser transmitters are designed for use in HFC, deep fiber, RFOG and FTTH applications. EMLT-1550-ER series are high-performance laser transmitters for head end applications with HFC/RFOG/FTTH networks.

EMLT-1550-ER transmitters incorporate an external modulator and predistortion circuit which allows a standard transmission range of 80 km, while maintaining a high OMI level and excellent CSO and CTB performance. With an internal phase modulator that broadens the laser line width, the launch power level can be adjusted up to +18.5 dBm for extended range of transmission, after EDFA amplification. The EMLT-1550-ER has two optical output ports.

EMLT-1550-ER transmitters can support up to 77 NTSC analog channels. Designed to be digitally ready, the transmitters can also be loaded with QAM modulated data and HDTV channels.

QAMnet EMLT-1550-ER transmitters are available in three output power level versions: +6 dBm, +8 dBm and +9 dBm.

Features

- High power CW DFB laser with narrow linewidth
- External modulator with integrated phase modulator
- Dual fiber output port
- 80 km standard transmission range, can be extended to 120km
- Adjustable SBS suppression level range of +13 dBm to +18 dBm
- Supports 77 channel NTSC plus QAM modulated data, HDTV channels
- AGC (Automatic Gain Control) and MGC (Manual Gain Control) RF input
- -20 dB front panel RF test port
- 45-870 MHz modulation bandwidth

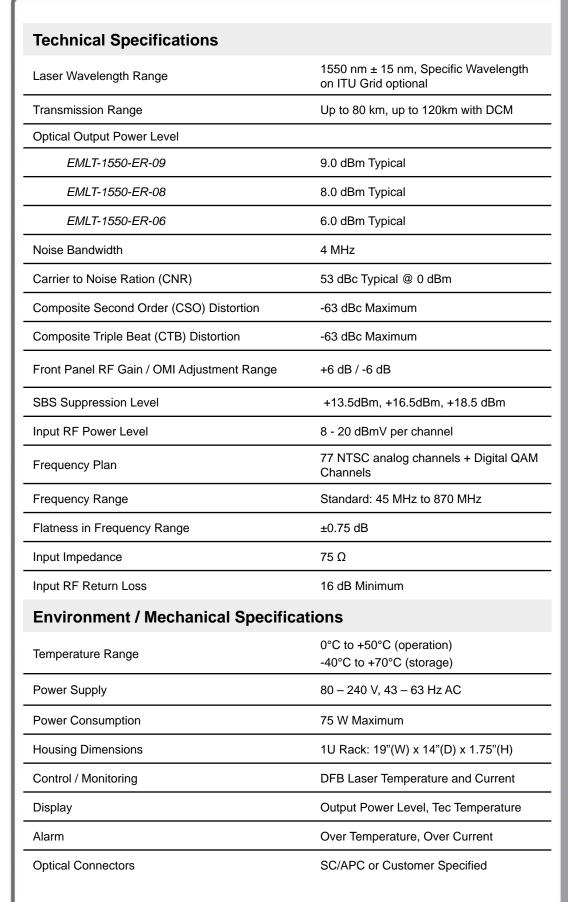
Ordering Information

- EMLT-1550-ER-xx
- xx: 06, 08, 09 (Output Power in dBm)



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