The 2408LT is an outdoor fiber optic transmitter for RF signals in the satellite L-Band or wide frequency range. It accepts a single RF input on coaxial cable and provides a single output for optical transmission. Packaged in a compact, standalone enclosure, the 2408LT is ideal for mounting on or near the satellite dish antenna structure. The -WP version features dust and water protection allowing outdoor mounting without a secondary enclosure. A full power RF monitor output provides a convenient means of obtaining peak satellite signal strength, or additional signal distribution.

**Features & Benefits**

- Directly mount to antenna structure or other outdoor locations
- • RF monitor output for signal peaking and signal distribution
- • Manual adjustment or AGC gain modes
- • Tri-color LED status indicators for Link RF drive strength, LNB voltage, and DC input voltage level
- • SmartMON™ capability provides remote status monitoring via SNMP without a separate data connection
- • Fiber link provides electrical isolation between antenna and facility mitigating ground loop and lightning issues

**Specifications**

- **RF Input:**
  - Number of Inputs: 1
  - Connector: F-Type (50Ω BNC Optional)
  - Conductor Range: 23-18 AWG (0.26-0.82 mm²)
- **Frequency Range:**
  - 1310nm DFB laser: 850MHz - 3000MHz
  - CWDM or DFB laser: 88MHz - 3000MHz
- **Return Loss:**
  - 88-500MHz: > 15dB
  - 500MHz - 3GHz: > 15dB
- **Input Power Range:**
  - -10dBm to -60dBm
- **Gain Variation over Temperature:**
  - ±0.25dB on 36MHz BW to 2.3GHz
- **Output Impedance:**
  - 75Ω (50Ω Optional)
- **Return Loss:**
  - > 15Ω
- **Frequency Range:**
  - 500MHz - 3GHz: ±2.0dB
  - 950 - 2150MHz: ±1.5dB
- **Output Power:**
  - CWDM: +2dBm
  - DFB laser: 0.5dBm
- **Operating Wavelength:**
  - Standard: 1310nm DFB
  - CWDM: +2dBm
- **LNB Power:**
  - Voltage: DC Input-0.5V DC, 13.5V DC, off
  - Current: 500mA
  - Protection: Short Circuit, current limited
- **LO Control:**
  - 22kHz on/off for LNB local oscillator control
- **RF Monitor Output:**
  - Number of Outputs: 1
  - Connector: F-Type (50Ω BNC Optional)
  - Conductor Range: 23-18 AWG (0.26-0.82 mm²)

**Ordering Information**

- **2408LT13**
  - L-Band Standalone Fiber Transmitter with SmartMON™, 1310nm DFB laser
- **2408LT13-WP**
  - L-Band Standalone/Weatherproof Fiber Transmitter with SmartMON™, 1310nm DFB laser
- **2408LT13-B50**
  - L-Band Standalone Fiber Transmitter with SmartMON™, 1310nm DFB laser, 50Ω BNC Connectors
- **2408LT13-WP-B50**
  - L-Band Standalone/Weatherproof Fiber Transmitter with SmartMON™, 1310nm DFB laser, 50Ω BNC Connectors
- **2408LT27 TO 61**
  - L-Band Standalone/Weatherproof Fiber Transmitter with SmartMON™, CWDM DFB laser

**Power:**
- 2W max excluding LNB Power

**Connector:**
- F-Type

**Conductor Range:**
- 23-18 AWG (0.26-0.82 mm²)

**Dimensions:**
- (138mm L x 61mm W x 31mm H)

**Compliance:**
- Laser safety: Class I laser product
- EMIRF: Complies with FCC Part 15, Class A
- Safety: CSA Listed to CSA C22.2
- Environmental:
  - Temperature: 1310nm: -20 to +70°C
  - CWDM: -20 to +60°C
- Dust & Water Protection:
  - IP65 (WP version only)

**Features & Benefits**

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- • SmartMON™ capability provides remote status monitoring via SNMP without a separate data connection
- • Fiber link provides electrical isolation between antenna and facility mitigating ground loop and lightning issues

**Ordering Options**

- **+PS**
  - 18V DC external power supply brick 100-240V AC auto-ranging input, indoor mounting with F-Type connector

Note: For power supply see 240PSUA-8 catalog page. For companion receiver see 2307LR, 7708LRA/7708LR-H and 7807LR-2 catalog page. For integrated outdoor solution with enclosure see 2400CDU catalog page.