

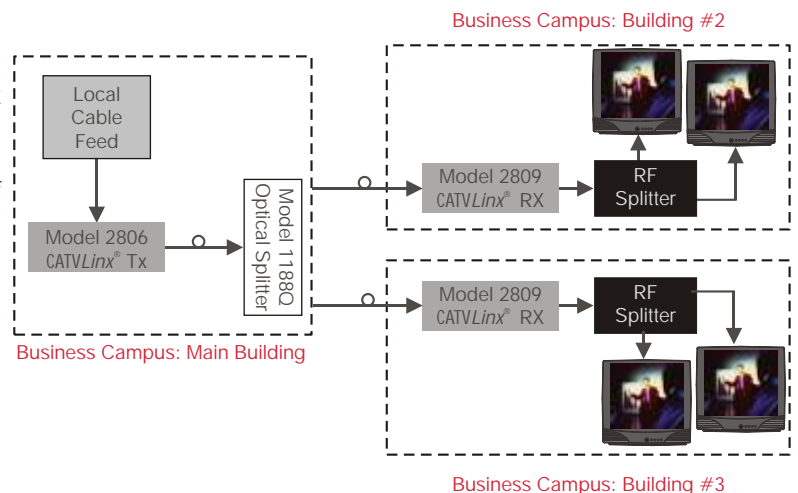
### CATV Transmitter

- Transmits up to 77 channels over one single-mode fiber.
- VSB/AM transmission ensures compatibility with standard CATV modulators, processors, etc.
- Designed for distances up to 10 km, Model 2806 offers an optical output power of +4.5 dBm.
- The convenient compact (3" x 8.5") enclosure is one of the smallest in the CATV industry.
- Built-in, universal AC power supply frees system user from bulky wall-mount AC adapters.
- Excellent for low budget structured in-building premise wiring video applications.



Model 2806 Transmitter

The Force CATV Linx® Model 2806 77 Channel CATV Limited Distance Solution (LDS) transmitter is part of a low cost system for transferring up to 77 channels of VSB/AM modulated signals over a single-mode optical fiber. The system provides 40-870 MHz of usable bandwidth for video signals stacked at 6 MHz intervals. A low loss single-mode optical fiber allows full channel loading to beyond 10 km while maintaining a good carrier-to-noise ratio. Because of its relatively small size, the Model 2806 can be mounted almost anywhere, and it is a true plug-and-play system when used with its companion receiver, Model 2809. Together, this link provides excellent performance for many demanding applications such as broadband LANs, distance learning, and multiple data services.



Order From: 

Toll Free: 800-423-2594  
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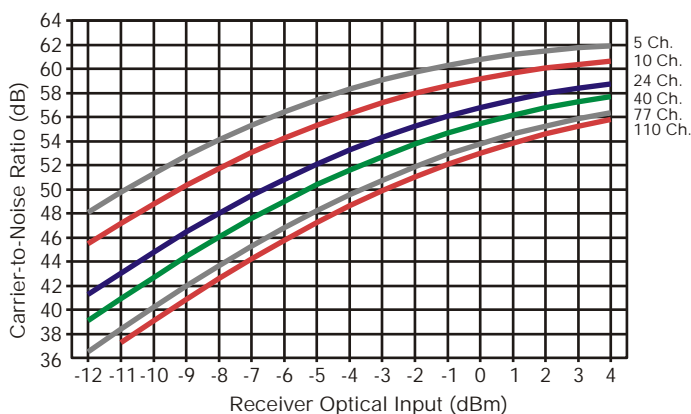
# Specifications and Ordering Information

## Optical Characteristics\*

|                             | Min   | Typ  | Max  | Units |
|-----------------------------|-------|------|------|-------|
| Operating Wavelength        | 1290  | 1310 | 1330 | nm    |
| Optical Output Power        |       | +4.5 |      | dBm   |
| Channel Loading             |       |      | 77   |       |
| Bandwidth (77 Ch.)          | 40    |      | 870  | MHz   |
| Required Fiber Bandwidth    | 2,000 |      |      | MHz   |
| Input/Output Impedance      |       | 75   |      | Ohms  |
| CSO                         |       | -57  |      | dB    |
| CTB                         |       | -65  |      | dB    |
| Side Mode Suppression Ratio | 30    | 40   |      | dB    |
| Backreflection Tolerance    |       |      | -50  | dB    |

## Electrical, Environmental, and Physical Characteristics\*

|                        | Min                | Typ  | Max | Units           |
|------------------------|--------------------|------|-----|-----------------|
| Power Supply Voltage   | 120                |      | 240 | V <sub>AC</sub> |
| Power Supply Frequency | 50                 |      | 60  | Hz              |
| Power Supply Current   |                    | 75   |     | mA              |
| Operating Temp. Range  | 0                  |      | +45 | °C              |
| Storage Temp. Range    | -20                |      | +70 | °C              |
| Humidity               | 0                  |      | 90  | %               |
| Weight                 |                    | 1.0  |     | lb.             |
|                        |                    | 0.45 |     | kg              |
| Dimensions             | 8.45 x 2.95 x 1.12 |      |     | in.             |
|                        | 215x 75x 29        |      |     | mm              |



*Model 2806 Limited Distance Solution (LDS) Transmitter*

## 77 Channel SM Tx P/N\*

| Tx Options                                 | SC/APC Connectors | FC/APC Connectors |
|--|-------------------|-------------------|
| Tx, 77 Ch., SM, 1310 nm, +4.5 dBm Opt. Out | 2806T-SCSP        | 2806T-SCAP        |

\*System performance specifications indicated for use with 9/125 μm single-mode fiber. The LDS transmitter is designed to operate with the Model 2809 CATV receiver. See IOM2809 for complete details.

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