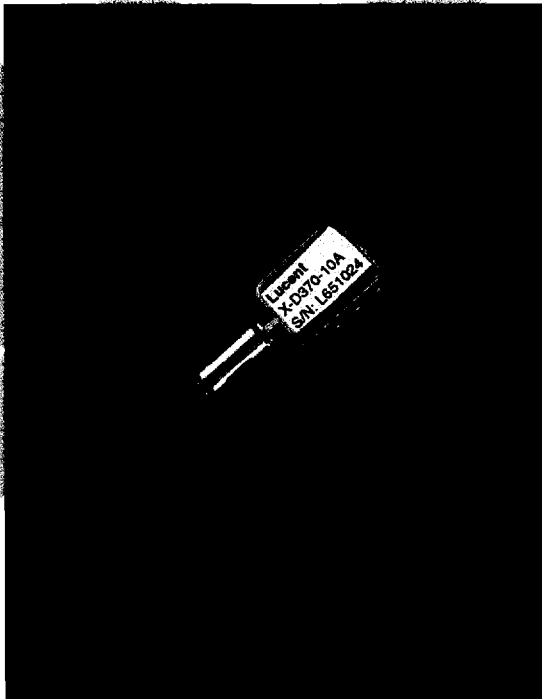


Uncooled D370/D371-Type Mini-DIL Laser Modules



The low-profile D370-Type Laser Module is ideally suited for short- and long-haul SONET/SDH and other high-speed digital applications.

Lucent's uncooled multiquantum-well D370-type Fabry-Perot and uncooled DFB D371-type laser modules consist of a laser diode coupled to a single-mode fiber pigtail. The devices are packaged in a standard 8-pin mini-DIL package. This innovative package design has advantages over a 14-pin butterfly package since no lead bending and no additional heat sinks are required. The laser modules are ideal for short, intermediate, and long-reach (SONET/SDH) and other high-speed digital applications, as well as CATV return path applications.

Features

- D370-type MQW Fabry-Perot laser
- D371-type DFB laser
- No TEC required
- Hermetically sealed active components
- High output power: typical 1.0 mW peak
- Qualification program: Bellcore TA-983

Table 4. Mini-DIL Laser Module Characteristics

Parameter	D370-Type	D371-Type	Unit
Code	D370	D371	—
Optical Output Power	1.0	2.0	mW
Center Wavelength	1270—1350	1280—1335	nm
Typical RMS Spectral Width	2.0	<1.0	nm
Typical Tracking Error	0.5	0.5	dB
Operating Temperature Range	-40 to +85	-40 to +85	°C
Slope Efficiency	50 to 100	67 to 200	mW/mA