

283x/729x

EML Die and Chip-on-Carriers (CoCs) for Applications Up to 400 Gb/s

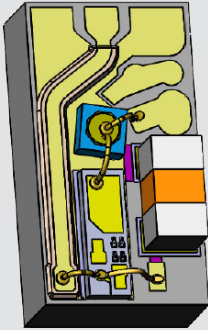
Overview

Broadcom offers a range of single-mode, Electro-Absorptive Modulated (EML) laser diode chip and chip-on-carrier products with 1.3- μ m CWDM and LAN-WDM wavelengths, for use in data centers and other applications including 8x50G LR8, 100G DR/FR/LR, nx200G(4x50G), and 400G DR4/FR4.

Using extensive knowledge in CMBH-grown, multi-quantum, well-active layer designs with a long history of proven field reliability, the lasers are qualified per the intent of Telcordia GR-468, qualified for use in non-hermetic environments, and offer class-leading electrical and optical performance.

The CoC versions include a terminating capacitor for the modulator ground and a monitor photodiode, or optionally a laser bypass capacitor for the reduction of channel-to-channel crosstalk in the module.

Contact Broadcom for additional detailed information about these products for your application.



Key Features

- Very high reliability
- Low power dissipation
- High-power output

Ordering Information

Description	Part Number
56-Gb/s (28 Gbaud), CWDM (1270 to 1330 nm) and LR8 (1273.55 nm to 1309.14 nm) EML laser for cooled and uncooled applications	283PN
56-Gb/s (28 Gbaud), CWDM (1270 to 1330 nm) and LR8 (1273.55 nm to 1309.14 nm) EML laser chip-on-carrier (CoC) for cooled and uncooled applications	729PN
100-Gb/s (56 Gbaud), CWDM (1270 to 1330 nm) EML laser for cooled and uncooled applications	283Q
100-Gb/s (56 Gbaud), CWDM (1270 to 1330 nm) EML laser chip-on-carrier (CoC) for cooled and uncooled applications	729Q