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LaserLite Model OTCP-1xN Wideband Dual Window SM Optical Couplers/Splitters (1x2 through 1x32)

Features / Benefits

Ideal for CATV/HFC video and high speed data distribution networks, FTTx, PON, LAN/WAN/long haul telecommunications systems, laboratory testing, back reflection measurements and sensors, EDFA and WDM applications.

Low-cost, space-saving devices for accurate and reliable optical signal splitting.

Wideband dual optical window (1310 and 1550nm ± 40nm).

High performance, high directivity, and excellent environmental stability.

Low insertion loss, low polarization sensitivity, and low back reflection.

Available in standard splitting ratios from 1x2 to 1x32.

Available in several high density packaging options (standalone, 1RU and 2RU).



The **Olson Technology, Inc. LaserLite Model OTCP-1xN** is a low-cost, high performance family of passive optical splitter/coupler products which provide a protective, enclosed environment for fiber splitting, as well as network testing and real-time monitoring, in CATV, HFC or PON broadband applications. The unit utilizes ultra-reliable Fused Biconic Taper (FBT) technology to enable it to meet or exceed its performance specifications over a wide temperature range and to deliver long-term reliability. Compliant with Telcordia Bellcore 1221 and 1209, OT couplers are subjected to thermal cycling and tested for insertion loss, back reflection and bandpass.

The base **Model OTCP-1xN** (where N = 2, 3, 4, 6 or 8) is a low-profile, rugged, Olson-standard *LaserLite* package. It is configured for standalone desktop, shelf or wall-mounting, or it can also be rack-mounted in the 1RU 19" EIA **Model OTLL-RMKIT-1** as a low-cost option.

For architectures and applications requiring even larger optical splitting ratios, the **Model OTCP-1xN** (where N = 12, 16 or 24) is available in a 1RU 19" rack mount package, while the **Model OTCP-1x32** is available in a 2RU 19" EIA rack mount package.

The **OTCP-1xN** is the perfect companion to the Olson Technology, Inc. **LaserLite Models OTOT-x and OTEA-x** and **LaserPlus Models LP-OT-x and LP-OA-x** optical transmitter and EDFA product families. It is also designed to mate with 1310/1550nm optical transmitters and EDFA's from most leading manufacturers.

