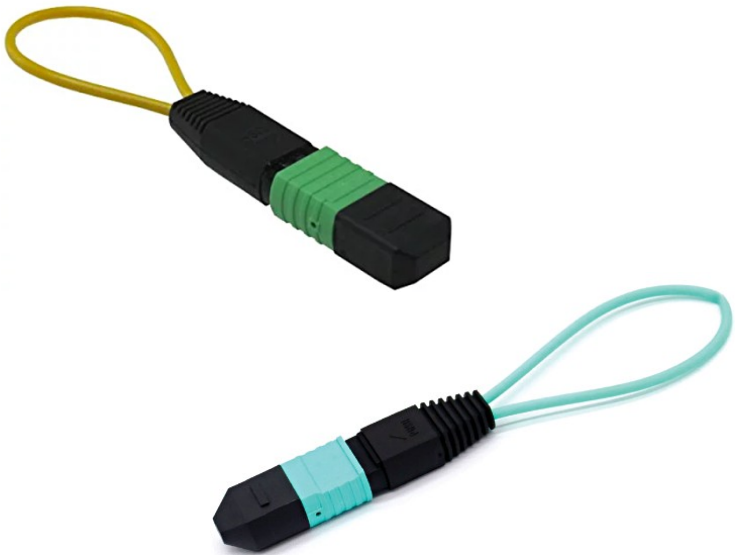
MPO Loopback

Overview

The Wave2Wave MPO Loopback Module provides a fast, reliable way to test the transmit and receive functions of optical network equipment. Designed for validating MPO-based interfaces, it enables efficient verification of port functionality, link activation, troubleshooting, and optical network diagnostics.

Available in multiple fiber counts and configurations, the module supports SMF and MMF systems and integrates into both lab and field environments with minimal setup. Precision termination ensures stable optical performance, while durable construction and clear labeling simplify handling during repetitive test cycles.



Features & Benefits

- Low-loss, factory-tested performance
- Works with multiple MPO formats (SMF/MMF)
- Plug-and-play loopback for quick testing
- Compatible with QSFP and high-density MPO ports

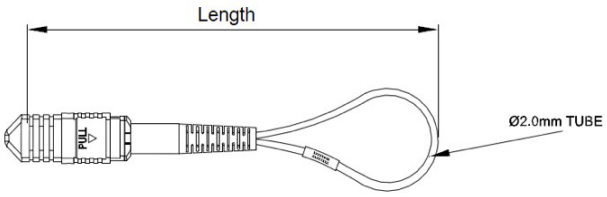
Applications

- MPO port validation
- QSFP diagnostics
- Lab/field troubleshooting
- Equipment burn-in testing

Optical Performance Specifications

		MM Elite (850 & 1300nm)	MM (850 & 1300nm)	SM Elite (APC) (1310 & 1550nm)	SM (APC) (1310 & 1550nm)
Insertion Loss (dB)	Typical	0.10	0.20	0.10	0.25
	Max	0.35	0.60	0.35	0.70
Return Loss (dB)	Max	-20	-20	-60	-55

Schematic



Product Selection

Part Number: 50a-CDEFg-LB

a (optional)	C	DE	F	g (Cable jacket)	LB
G (16F) M (Male guide pins)	3 (SMF) 4 (OM3) 8 (OM4) 9 (OM5)	08 12 16 24	0 (PC) 1 (UPC) 2 (APC)	P (Plenum) L (LSZH)	Loopback

Standards Compliance

- Telcorida GR-1435-CORE.
- TIA/EIA-568B.
- IEC-61754-7.
- RoHS.