QUANTIFI PHOTONICS®
A Teradyne Company



PASSIVE

PASSIVE COMPONENT INTEGRATION

SPECIFICATION SHEET

quantifiphotonics.com

STANDARD PASSIVE CONFIGURATIONS

The PASSIVE Series is available in the standard configurations listed below. If your application requires a different configuration, please contact your sales representative to discuss your requirements.

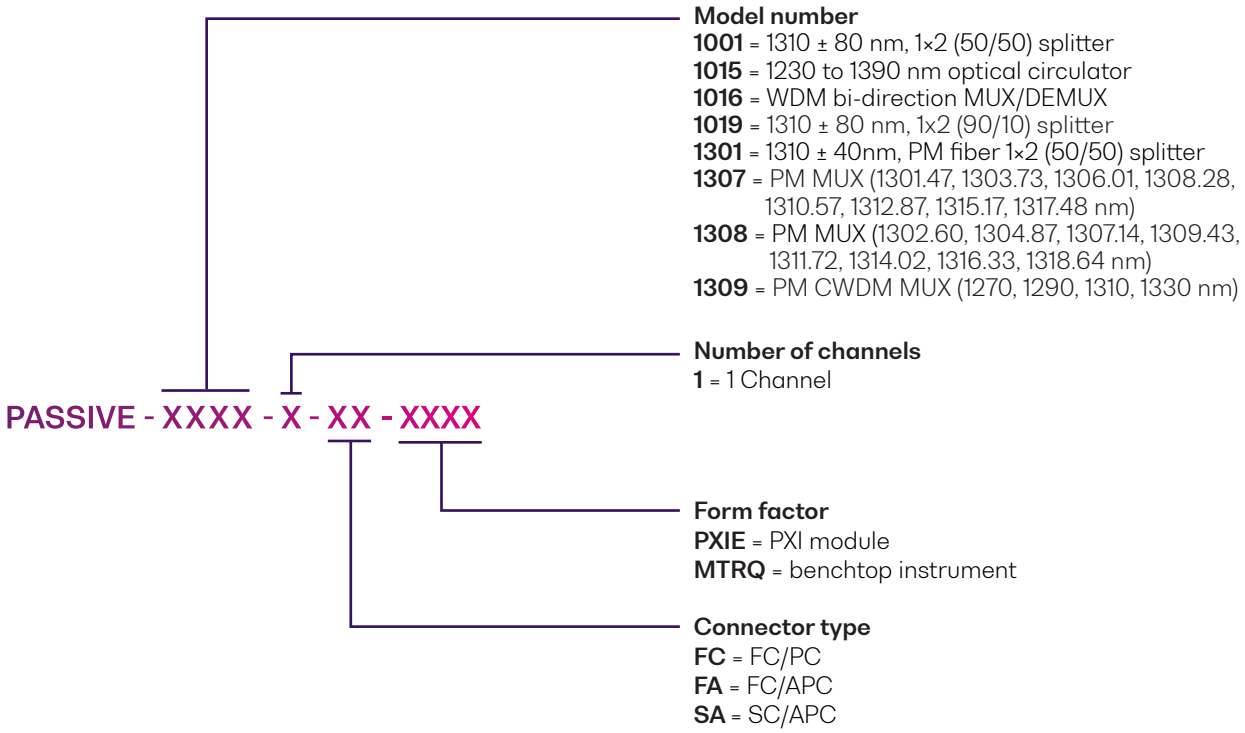
Model Number	Configuration	Connector type	Slot count (PXI)
Passive-1001	1310 ± 80 nm, 1×2 (50/50) splitter	FC/APC	1
Passive-1015	1230 to 1390 nm optical circulator	FC/PC, FC/APC	1
Passive-1016	WDM bi-direction MUX/DEMUX (C34=1550.116 nm, C42=1543.730 nm, C50 =1537.397 nm, C58=1531.116 nm), <1.8 dB insertion loss	FC/APC	1
Passive-1017	1550 ± 40 nm, 1x2 (90/10) splitter	FC/APC	1
Passive-1019	1310 ± 80 nm, 1x2 (90/10) splitter	FC/APC	1
Passive-1301	1310 nm PMF fiber, 1×2 (50/50) splitter	FC/APC	1
Passive-1307	PM MUX (1301.47 nm, 1303.73 nm, 1306.01 nm, 1308.28 nm, 1310.57 nm, 1312.87 nm, 1315.17 nm, 1317.48 nm), PMF fiber	SC/APC	1
Passive-1308	PM MUX (1302.60 nm, 1304.87 nm, 1307.14 nm, 1309.43 nm, 1311.72 nm, 1314.02 nm, 1316.33 nm, 1318.64 nm), PMF fiber	SC/APC	1
Passive-1309	4 channel 1 W power handling PM CWDM MUX (1270 nm, 1290 nm, 1310 nm, 1330 nm)	FC/APC	1

ORDERING INFORMATION

Available configurations:

PASSIVE-1001-1-FA-PXIE
PASSIVE-1015-1-FA-PXIE
PASSIVE-1015-1-FC-PXIE
PASSIVE-1016-1-FA-MTRQ
PASSIVE-1016-1-FA-PXIE
PASSIVE-1019-1-FA-PXIE
PASSIVE-1301-1-FA-PXIE
PASSIVE-1307-1-SA-PXIE
PASSIVE-1308-1-SA-PXIE
PASSIVE-1309-1-FA-PXIE

Configuration number format:



WARRANTY INFORMATION

This product comes with a standard 1 year warranty.

EXTENDED WARRANTIES AND CALIBRATION PLANS

With an **extended warranty and calibration plan** you'll spend more time focused on your priorities and less time worrying about maintenance.

Add a **3 or 5 year extended warranty** when you purchase your Quantifi Photonics instruments.



Guarantee performance

Ensure your equipment is operating at the best it can be for reliable and accurate results.

Lower cost of ownership

Lock in savings and maximise your testing budget with a lower base cost of ownership.

Peace of mind

Spend less time worrying about maintenance and more on generating results.

CALIBRATION PLANS FOR ADDITIONAL DISCOUNTS

Order a **calibration plan** when purchasing your Quantifi Photonics instruments and get additional discounts.

10% Discount On calibrations ordered at the time of purchase.

25% Discount Add on an extended warranty and receive a 25% discount on calibrations.

Over time and with regular use, all optical parts and connectors require re-calibration and maintenance to guarantee accurate and reliable performance. We recommend Quantifi Photonics optical instruments are re-calibrated every 12 months. With an instrument calibration performed by Quantifi Photonics technicians you receive:

- Comprehensive calibration to factory specifications
- End-to-end inspection to ensure all instrument functions are working and connectors are clean
- Firmware, software and documentation updates
- Certificate of calibration which includes detailed test results

How to do I **secure my extended warranty or calibration plan**?

Contact your Quantifi Photonics sales representative or email **sales@quantifiphotonics.com**

Extended warranties and calibration plans must be ordered at the time of purchase and are available only for Quantifi Photonics' products. The 25% calibration discount only applies to calibrations while the product is covered by the extended warranty period.

Versatile test modules for a wide range of requirements and applications.

Tunable Laser Source



Versatile telecom laser sources with full tunability across C or L bands. Narrow 100 kHz linewidth, up to 16.5 dBm of power, optional whisper mode to disable frequency dither.

Fixed Wavelength Laser Source



DFB laser sources available in a range of wavelengths and powers up to 24 dBm. Supports SMF, MMF and PMF.

Swept, Tunable Continuous Wave Laser



Swept, tunable continuous wave (CW) laser source with 0.01 dB power stability and 400 nm/s high-speed scan rate for R&D and production testing.

Superluminescent Diode Broadband Light Source



Super-luminescent LED light source with high output power, large bandwidth and low spectral ripple and various wavelengths.

ELSFP-Compliant External Laser Source



Uses ELSFP-compliant pluggable modules to provide 8 channels of CW optical power at 1310 nm up to 24 dBm.

Variable Optical Attenuator (VOA)



Fast attenuation speed with low insertion loss and built-in power monitoring. Operates in fixed attenuation or constant output power modes. Support SMF, MMF and PMF.

Polarization Controller & Scrambler



High-speed automated polarization control with broad wavelength coverage from 1260 to 1650 nm, low insertion loss and back reflection. Full remote control via intuitive GUI, LabVIEW or SCPI.

Optical Power Meter



Fast terminating or inline monitoring of optical signal power from -60 to +10 dBm across 750 to 1700 nm wavelengths. Model with logarithmic analog output for applications such as silicon photonics fiber alignment.

Optical Spectrum Analyzer (OSA)



Cost-effective, spectral measurement in a compact module with built-in analysis for: SMSR, OSNR & spectral width. Targeted wavelengths for specific applications in O band, C band & L band.

Optical-to-Electrical Converter



High bandwidth, broadband O-to-E converter. Choose from 1 or 2 channels, AC or DC coupling and various conversion gain and operating wavelength ranges.

Optical Switch



Proven reliability and fast switching time. Wide variety of switch configurations and models support SMF, MMF and PMF.

Photonic Doppler Velocimeter (PDV)



Purpose-built module for Photonic Doppler Velocimetry (PDV). A circulator, two VOAs and a passive coupler all built into one compact module.

Passive Component Integration



Integrate passive optical components of your choice such as WDM couplers, splitters, band-pass filters, PM beamsplitters and circulators. SMF, MMF and PMF.

Digital Sampling Oscilloscope (DSO)



Digital equivalent-time sampling oscilloscope (DSO) with high-quality precision timebase and low jitter mode, available in 1 or 2 channels in a compact benchtop instrument.

Clock Recovery Instrument (CDR)



Clock recovery instrument for the QCA Series. Low jitter design and precise phase-locking provide a reliable, scalable solution for high-speed communication testing.

Coherent Transmitter



Generate high-quality coherent optical signals for transmitter development, testing and advanced modulation research.

Coherent Receiver



High-performance coherent optical receiver for accurate measurement and characterization of coherent modulation formats.

VISIQ Analysis Software

VISIQ

Coherent signal analysis software for intuitive DSP configuration, signal analysis and optimization.

Test. Measure. Solve.™

Quantifi Photonics provides test solutions to help customers unlock scalable and cost-effective high-volume manufacturing of photonic integrated circuits (PICs), co-packaged optics and pluggable optics. The company's portfolio includes a wide range of photonic test instruments, and digital sampling oscilloscopes, available as benchtop or the industry-standard PXI format to support cost-effective, high-throughput design verification testing and high-volume manufacturing.

To find out more, get in touch with us today.

General Enquiries sales@quantifiphotonics.com
Technical Support support@quantifiphotonics.com
Phone - NZ +64 9 478 4849
Phone - USA +1-800-803-8872

quantifiphotonics.com

QUANTIFI PHOTONICS®
A Teradyne Company

Quantifi Photonics Ltd © 2026. All rights reserved. No part of this publication may be reproduced, adapted, or translated in any form or by any means without the prior permission from Quantifi Photonics Ltd. All specifications are subject to change without notice. Please contact Quantifi Photonics for the latest information.