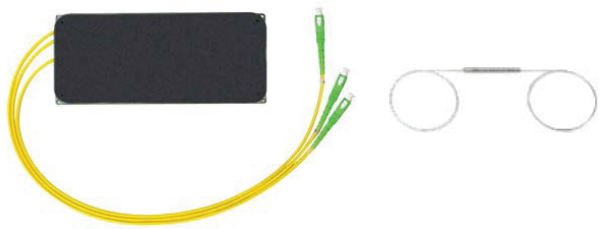
DWDM Drop Module

The QAMnet DDM Dense-Wavelength Drop Modules allow system designers optimal flexibility to configure multiple DWDM wavelength HFC networks.

DDM DWDM Drop Module



Product Description

The QAMnet DDM Dense-Wavelength Drop Modules allows optimal flexibility to system designers for configuring multiple DWDM wavelength HFC networks. A specific DWDM wavelength can be removed (Drop) from the incoming optical signal. These easy-to-use devices can be used to in a series, so wavelength Drop can be done incrementally. The DDM devices offer low insertion loss and high isolation in a totally passive device. It can be ordered in unpackaged device form or a connectorized module, housed inside a precision machined aluminum package.

Features

- Low insertion loss
- High isolation value of 30 dB
- Choose from 40 different wavelength channel
- Combine two wavelengths as close as 0.8 nm apart
- Reliable and rugged construction module
- Broad wavelength window operation
- Operating temperature range -30°C to +55°C

Applications

✓ HFC ✓ FTTH ✓ RFoG ✓ Deep Fiber Applications

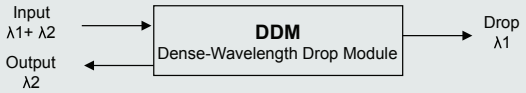
PRODUCT SPECIFICATIONS

Optical Specifications

Input Laser Wavelengths	1550.92 nm (Ch 24) 1547.72 nm (Ch 28)
Insertion Loss In-Drop (device)	< 0.5 dB @ 1550.92 nm (Ch 24)
Insertion Loss In-Drop (module)	< 1.2 dB @ 1550.92 nm (Ch 24)
Insertion Loss In-Out (device)	< 0.5 dB @ 1547.72 nm (Ch 28)
Insertion Loss In-Out (module)	< 1.0 dB @ 1547.72 nm (Ch 28)
Isolation In-Drop	> 30 dB @ 1547.72 nm (Ch 28)
Polarization Dependent Loss	< 0.10 dB
Directivity	> 65 dB
Return Loss	> 50 dB

Mechanical Specifications

Operating Temperature Range	-30°C to +55°C
Storage Temperature Range	-40°C to +85° C
Connector Type	3mm Jacked Fiber or SC/APC
Fiber Type	Corning (SMF-28)
Dimensions	3.50" (L) x 2.00" (W) x 0.33" (H)
Housing	Machined Aluminum (module)



Ordering Information

	DDM-xx-y
xx	Wavelength Channels
y	d (unpackaged device), m (module)

QAMnet 5110 N 44th St, Ste 200L, Phoenix AZ 85018
optilab.com 877-303-3888 602-343-8217 sales@qamnet.com