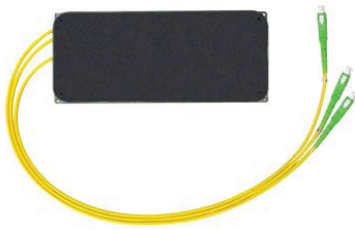


Dense-Wavelength Add Module

The QAMnet DAM Dense-Wavelength Add Modules allow system designers optimal flexibility to configure multiple wavelengths HFC networks.

DAM Dense-Wavelength Add Module



Product Description

The QAMnet DAM Dense-Wavelength Add Modules allow optimal flexibility to system designers for configuring multiple wavelengths in HFC networks. A specific wavelength can be inserted (ADD) into the incoming optical signal. These easy-to-use devices can be used to in a series, so that wavelength Adding can be done incrementally. DAM 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
- Operating temperature range -30°C to +55°C

Applications

✓ HFC ✓ FTTH ✓ RFoG ✓ Deep Fiber Applications

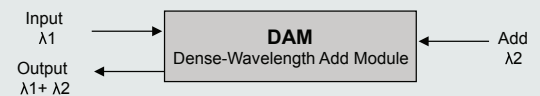
PRODUCT SPECIFICATIONS

Optical Specifications

Center Wavelength	See Table on Product Datasheet
Passband	$\pm 0.32\text{nm}$ from Center Wavelength
Insertion Loss In-Out (device)	< 0.3 dB
Insertion Loss In-Out (module)	< 1.0 dB
Insertion Loss Add-Out (device)	< 0.5 dB
Insertion Loss Add-Out (module)	< 1.2 dB
Isolation	> 20 dB
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 LC/UPC
Fiber Type	Corning (SMF-28)
Dimensions	3.50" (L) x 2.00" (W) x 0.33" (H)
Housing	Machined Aluminum (module)



Ordering Information

DAM-xx-y

xx Number of Wavelength Channels
y d (unpackaged device), m (module)



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