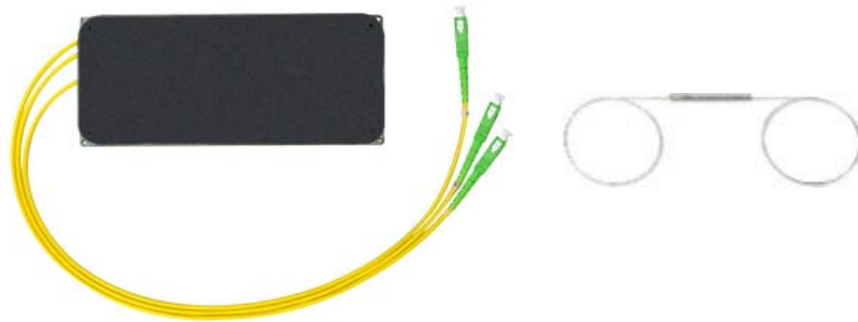
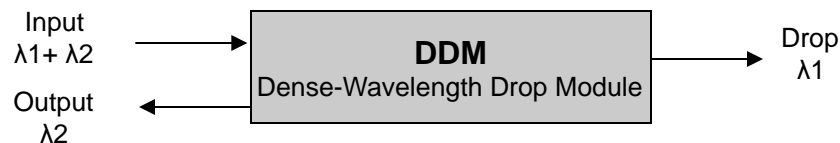




DDM | DWDM Drop Module



The QAMnet DDM Dense-Wavelength Drop Modules allow system designers optimal flexibility to configure 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 in series, so wavelength Drop can be done incrementally. 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 0.8nm apart
- Reliable and ruggedized module
- Broad wavelength window operation
- Operating temperature range -30 °C to + 55 °C

Ordering Information

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



5110 N. 44th Street
Suite 200L
Phoenix, AZ 85018

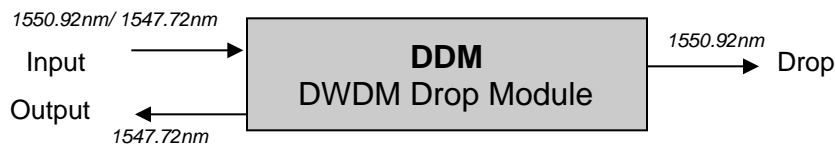
1.877.303.3888 toll free
sales@qamnet.com email
www.qamnet.com website

Technical Specifications

Model Number	DDM-24-m (Drop Channel #24)
Input Laser Wavelengths	1550.92nm (CH24) 1547.72nm (CH28)
Insertion Loss In-Drop (device)	< 0.5 dB @ 1550.92nm (CH24)
Insertion Loss In-Drop (module)	< 1.2 dB @ 1550.92nm (CH24)
Insertion Loss In-Out (device)	< 0.5 dB @ 1547.72nm (CH28)
Insertion Loss In-Out (module)	< 1.0 dB @ 1547.72nm (CH28)
Isolation In-Drop	> 30 dB @ 1547.72nm (CH28)
Polarization Dependent Loss	< 0.10 dB
Directivity	> 60 dB
Return Loss	> 50 dB

Mechanical Specification

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)



DDM | Dense-Wavelength Drop Module

 **QAMnet**

5110 N. 44th Street
Suite 200L
Phoenix, AZ 85018

1.877.303.3888 toll free
sales@qamnet.com email
www.qamnet.com website



Wavelength Channel Chart

Available Wavelength Channel List

Channel Number	Wavelength (nm)	Frequency (THz)
11	1561.41	192.00
12	1560.60	192.10
13	1559.79	192.20
14	1558.98	192.30
15	1558.17	192.40
16	1557.36	192.50
17	1556.55	192.60
18	1555.74	192.70
19	1554.94	192.80
20	1554.13	192.90
21	1553.32	193.00
22	1552.52	193.10
23	1551.72	193.20
24	1550.91	193.30
25	1550.11	193.40
26	1549.31	193.50
27	1548.51	193.60
28	1547.71	193.70
29	1546.91	193.80
30	1546.11	193.90
31	1545.32	194.00
32	1544.52	194.10
33	1543.73	194.20
34	1542.93	194.30
35	1542.14	194.40
36	1541.34	194.50
37	1540.55	194.60
38	1539.76	194.70
39	1538.97	194.80
40	1538.18	194.90
41	1537.39	195.00
42	1536.53	195.10
43	1535.72	195.20
44	1534.92	195.30
45	1534.12	195.40
46	1533.32	195.50
47	1532.52	195.60
48	1531.72	195.70
49	1530.92	195.80
50	1530.12	195.90



5110 N. 44th Street
Suite 200L
Phoenix, AZ 85018

1.877.303.3888 toll free
sales@qamnet.com email
www.qamnet.com website