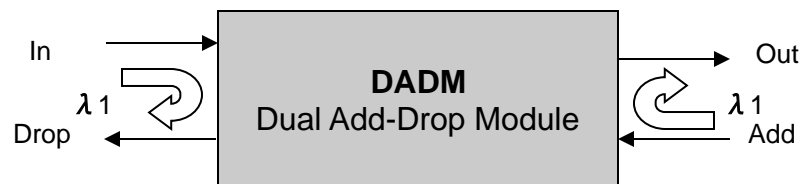




DADM | Dual Add-Drop Module



The QAMnet DADM Dual Add-Drop Module allow system designers optimal flexibility to design multiple wavelength HFC networks system for DWDM wavelengths add/Drop. DADM is a four port device. It will remove optical signal with a specific wavelength from the optical fiber input through Drop port. At the same time, a signal with this specific wavelength can be inserted through Add port to the fiber output port. These easy-to-use devices can be used to in series, so wavelength add/drop can be done incrementally, allowing flexibility in system design. These DWDM based devices offer low insertion loss and high isolation. It is a passive device that is housed inside a compact aluminum package.



Features

- Low insertion loss
- High isolation value of 30dB
- 100 GHz (0.8nm) Channel Spacing
- Allowing Add (insertion) or Drop (removal) simultaneously
- Rugged construction (module type)
- Operating temperature range -30°C to +55°C

Ordering Information

- DADM-xx
- xx: Wavelength Channels



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

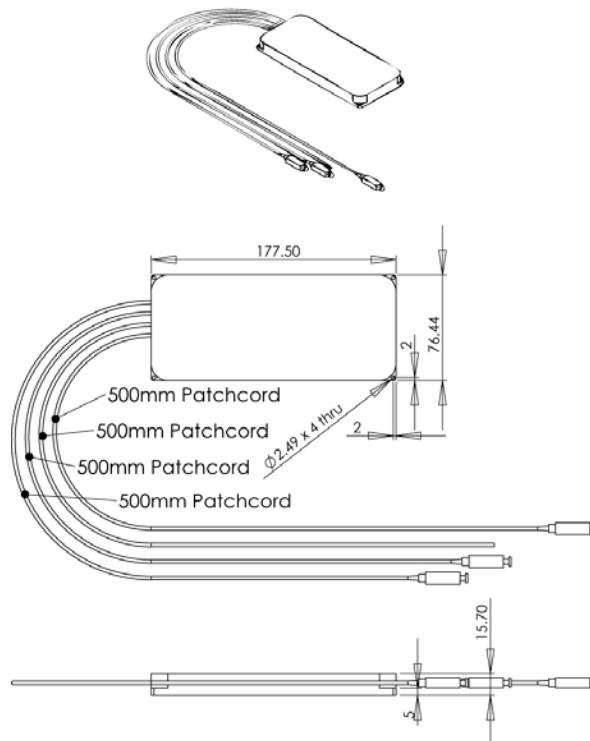
1.877.303.3888 toll free
sales@qamnet.com email
www.qamnet.com website

Technical Specifications

Model Number	DADM-xx
Center Wavelength	See Table
Passband	$\pm 0.32\text{nm}$ from Center Wavelength
Insertion Loss (In-Drop)	< 1.5 dB
Isolation (In-Drop)	> 30 dB
Insertion Loss (Add-Out)	< 1.5 dB
Isolation (Add-Out)	> 15 dB
Insertion Loss (In-Out)	< 1.0 dB
Isolation (In-Out)	> 35 dB
Polarization Dependent Loss	< 0.10 dB
Directivity	> 65 dB
Return Loss	> 40 dB

Mechanical Specification

Operating Temperature Range	-30°C to +55°C
Storage Temperature Range	-40°C to +85°C
Connector Type	900 μm Jacked Fiber or SC/APC
Fiber Type	Corning (SMF-28) + 900 μm Loose Tube
Dimensions	3.50" (L) x 2.00" (W) x 0.33" (H)
Housing	Machined Aluminum



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Available Wavelength Channel

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