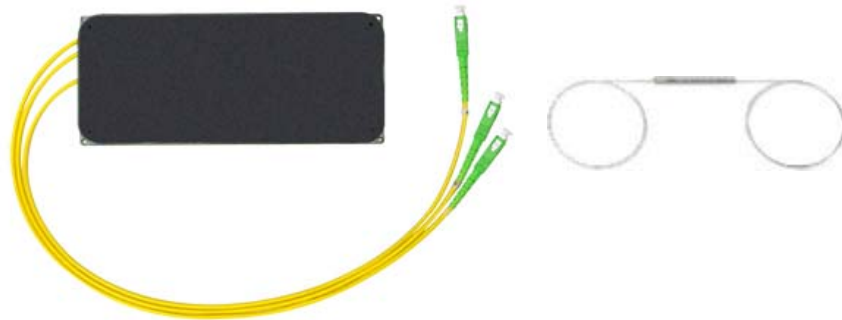
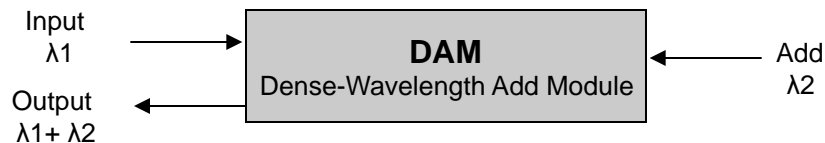




## DAM | Dense-Wavelength Add Module



The QAMnet DAM Dense-Wavelength Add Modules allow system designers optimal flexibility to configure multiple wavelengths HFC networks. A specific wavelength can be inserted (ADD) into the incoming optical signal. These easy-to-use devices can be used in series, so 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 30dB
- Choose from 40 different wavelength channel
- Combine two wavelengths as close as 0.8nm apart
- Reliable and rugged construction module
- Operating temperature range -30°C to +55°C

### Ordering Information

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



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## Technical Specifications

Model Number	DAM-xx-y
Center Wavelength	See Table
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 Specification

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)



DAM | Dense-Wavelength Add Module

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## 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



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