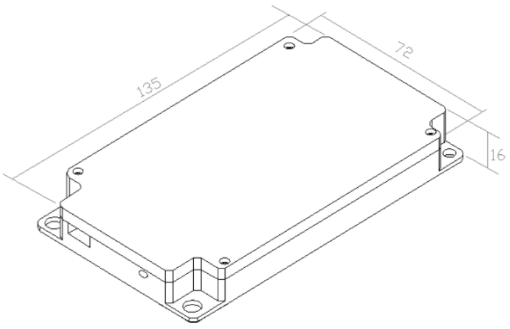
25G 96CH Athermal AWG DWDM Module (AAWG)

Specifications

Parameters	Unit	Values
Number of Channel	CH	96~198
Channel Spacing	GHz	25
Center Wavelength	nm	ITU Grid
ITU#		Refer To Below Channel Table
Center Wavelength Accuracy	nm	-0.02/+0.03
1dB Pass Band	nm	≥0.08
3dB Pass Band	nm	≥0.12
20dB Pass Band	nm	≤0.16
Insertion Loss	dB	≤8.0
Ripple	dB	≤0.7
Loss Uniformity	dB	≤1.5
Adjacent Channel Isolation	dB	≥18
Non-Adjacent Channel Isolation	dB	≥25
Total Cross-Talk	dB	≥16
PMD	ps	≤1.0
Chromatic Dispersion(CD)	ps/nm	-35~+35
PDL	dB	≤0.5
Return Loss	dB	≥40
Max Optical Power Handling (CW)	mW	500
Pigtail Type @ Common		SMF-28e 900μm Loose Tube 0.5+/-0.05m
Pigtail Type @ ITU Channel Port		SMF-28e, 8x(12~17) ribbon 0.5+/-0.05m, fanout 900μm 0.5+/-0.05m
Connector Type		SC/UPC or LC/UPC
Operation Humidity	%RH	5~85
Operating Temperature	℃	-5~+65
Storage Temperature	℃	-40~+85
Package (mm)	mm	135x72x16

*Above specifications are for devices without connector.

Package Dimensions



Ordering Information

AAWG- ①①①①-②-③③-④④-⑤⑤⑤-⑥⑥⑥-⑦⑦

①	Channel Space	0.25=25Ghz;
②	Passband Profile	F=Flat Top;
③	Channel Number	96=96 Channel; XX=XX Channel;
④	Start ITU Channel	XX=refer to above table; (channels out of 1~96 to be confirmed)
⑤	Pigtail Type	900=900μm Loose Tube;
⑥	Length	0.5=0.5/0.5/0.5m;
⑦	Connector	NE=None; LC=LC/UPC; SC=SC/UPC; XX=Other;

Channel Table

Channel	Frequency(THz)	Wavelength(nm)	Channel	Frequency(THz)	Wavelength(nm)
1	191.350	1566.723	**2**	191.375	1566.518
3	191.400	1566.314	**4**	191.425	1566.109
5	191.450	1565.905	**6**	191.475	1565.700
7	191.500	1565.496	**8**	191.525	1565.292
9	191.550	1565.087	**10**	191.575	1564.883
11	191.600	1564.679	**12**	191.625	1564.475
13	191.650	1564.271	**14**	191.675	1564.067
15	191.700	1563.863	**16**	191.725	1563.659
17	191.750	1563.455	**18**	191.775	1563.251
19	191.800	1563.047	**20**	191.825	1562.844
21	191.850	1562.640	**22**	191.875	1562.436
23	191.900	1562.233	**24**	191.925	1562.029
25	191.950	1561.826	**26**	191.975	1561.622
27	192.000	1561.419	**28**	192.025	1561.216
29	192.050	1561.013	**30**	192.075	1560.809
31	192.100	1560.606	**32**	192.125	1560.403
33	192.150	1560.200	**34**	192.175	1559.997
35	192.200	1559.794	**36**	192.225	1559.591
37	192.250	1559.389	**38**	192.275	1559.186
39	192.300	1558.983	**40**	192.325	1558.780
41	192.350	1558.578	**42**	192.375	1558.375
43	192.400	1558.173	**44**	192.425	1557.970
45	192.450	1557.768	**46**	192.475	1557.566
47	192.500	1557.363	**48**	192.525	1557.161
49	192.550	1556.959	**50**	192.575	1556.757
51	192.600	1556.555	**52**	192.625	1556.353
53	192.650	1556.151	**54**	192.675	1555.949
55	192.700	1555.747	**56**	192.725	1555.545
57	192.750	1555.343	**58**	192.775	1555.142
59	192.800	1554.940	**60**	192.825	1554.739
61	192.850	1554.537	**62**	192.875	1554.335
63	192.900	1554.134	**64**	192.925	1553.933
65	192.950	1553.731	**66**	192.975	1553.530
67	193.000	1553.329	**68**	193.025	1553.128
69	193.050	1552.926	**70**	193.075	1552.725
71	193.100	1552.524	**72**	193.125	1552.323
73	193.150	1552.122	**74**	193.175	1551.922
75	193.200	1551.721	**76**	193.225	1551.520
77	193.250	1551.319	**78**	193.275	1551.119
79	193.300	1550.918	**80**	193.325	1550.717
81	193.350	1550.517	**82**	193.375	1550.317
83	193.400	1550.116	**84**	193.425	1549.916
85	193.450	1549.715	**86**	193.475	1549.515
87	193.500	1549.315	**88**	193.525	1549.115
89	193.550	1548.915	**90**	193.575	1548.715
91	193.600	1548.515	**92**	193.625	1548.315
93	193.650	1548.115	**94**	193.675	1547.915
95	193.700	1547.715	**96**	193.725	1547.516