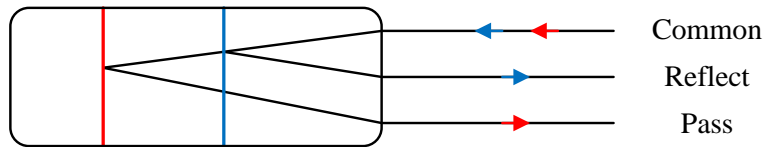


Product: Reflect-type CWDM

Part Number	Spec Number	Version	Date
RWDMXXXXXXXXXXXX	S042	Rev 01	11/15/2021

1 Function Diagram



2 Channel Plan

	Channel Number	Center Wavelength	Pass Band		Reflect Band	
			Min	Max	Min	Max
CWDM	01	1271	1264.5	1277.5	/	1284~1620
	02	1291	1284.5	1297.5	1260~1277	1304~1620
	03	1311	1304.5	1317.5	1260~1297	1324~1620
	04	1331	1324.5	1337.5	1260~1317	1344~1620
	05	1351	1344.5	1357.5	1260~1337	1364~1620
	06	1371	1364.5	1377.5	1260~1357	1384~1620
	07	1391	1384.5	1397.5	1260~1377	1404~1620
	08	1411	1404.5	1417.5	1260~1397	1424~1620
	09	1431	1424.5	1437.5	1260~1417	1444~1620
	10	1451	1444.5	1457.5	1260~1437	1464~1620
	11	1471	1464.5	1477.5	1260~1457	1484~1620
	12	1491	1484.5	1497.5	1260~1477	1504~1620
	13	1511	1504.5	1517.5	1260~1497	1524~1620
	14	1531	1524.5	1537.5	1260~1517	1544~1620
	15	1551	1544.5	1557.5	1260~1537	1564~1620
	16	1571	1564.5	1577.5	1260~1557	1584~1620
	17	1591	1584.5	1597.5	1260~1577	1604~1620
	18	1611	1604.5	1617.5	1260~1597	/

3 Specifications

3.1 Environment Conditions

Item	Parameters	Symbol	Min	Typ	Max	Units	Note
1.	Operating Temperature	C-Temp	Tc	0		70	°C
		I-Temp	Ti	-40		85	°C
2.	Storage Temperature	Tstor	-40		85	°C	
3.	Operating Relative Humidity	RHop	5		95	%	[1]
4.	Storage Relative Humidity	RHstor	5		95	%	[1]

Note:

[1] Not to exceed industrial standard of 0.024 kg water per kg of dry air under non-condensing conditions.

3.2 Optical Specifications

Item	Parameters		Symbol	Min	Typ	Max	Units	Note
5.	Operation Wavelength		λ_{op}	1260 ~ 1620			nm	
6.	Center Wavelength (ITU-Grid)		λ_c	1270/1271~1610/1611			nm	
7.	Passband Bandwidth (0.5dB) @Top		BW	± 6.5			nm	
8.	Passband Bandwidth (1dB) @Top		BW	± 7.5			nm	
9.	Insertion Loss @C-Temp	Com- Pass	ILp			0.8	dB	
		Com- Ref	ILr			0.4	dB	
10.	Insertion Loss @I-Temp	Com- Pass	ILp			1.0	dB	
		Com- Ref	ILr			0.5	dB	
11.	Isolation	Pass-channel @Adjacent Channel	Iso	30			dB	
		Pass-channel @Non-adjacent Channel	Iso	40			dB	
		Reflect-Channel @Pass Band	Iso	12			dB	
12.	Channel Ripple		Rp			0.3	dB	
13.	Polarization Dependence Loss		PDL			0.1	dB	
14.	Return Loss		RL	50			dB	
15.	Directivity		Dir	50			dB	
16.	Optical Power		Pop			300	mW	G

Note:

*Above specifications are for device without connector. IL is 0.3 dB higher, RL is 5 dB lower after connector added.
 G: Guaranteed by design.

3.3 Mechanical Specifications

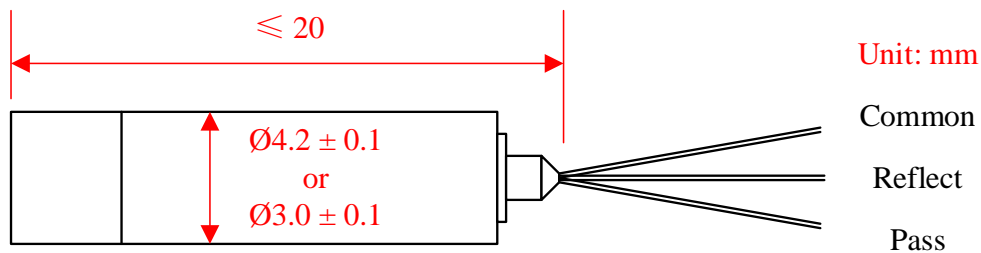
3.3.1 Specifications

Item	Parameters		Symbol	Min	Typ	Max	Units	Note
17.	Fiber Type				By PN			
18.	Fiber Length				By PN		m	
19.	Fiber Jacket				By PN			
20.	Connector Type				By PN			
21.	Package Dimension			See drawing below			mm	
22.	Fiber Color	Common			Black			[2]
		Reflect			Red			[2]
		Pass			Natural			

Note:

[3] Mark the bare fiber starting at 10~30cm away from the device body to fiber end.

3.3.2 Drawing



4 Device Label, Delivery Data

Triple-Stone standard format.

5 RoHS

RoHS compliant.

6 Ordering Information

