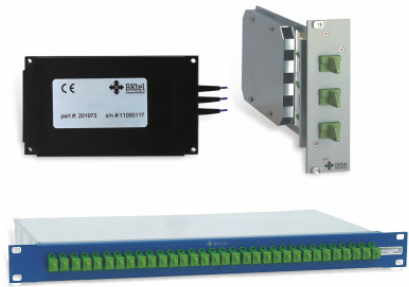


BODnnC-1310-Kxx-yy

OPTICAL MULTIPLEXER AND DEMULTIPLEXER CWDM AND 1310nm WDM

Application

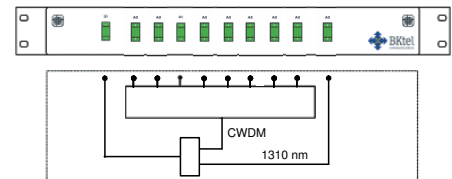
- ▶ Multiplexing or demultiplexing of optical signals in
 - CATV networks,
 - MANs or
 - LANs



Features

- ▶ Thin-film technology
- ▶ 20 nm ITU grid channel spacing
- ▶ Insertion-loss optimized MUX-DEMUX pair
- ▶ High isolation
- ▶ Low insertion loss
- ▶ Available in

compact housing with pigtails	BODnnC-1310-C-Kxx-yy
19" - 1 HU housing with adaptors	BODnnC-1310-C-Kxx-yy-H
19" - 3 HU plug-in unit with adaptors	BODnnC-1310-C-Kxx-yy-V
- ▶ FC/APC, SC/APC or E2000 connectors



Types:

Optical Multiplexer	BOD05C-1310-K13-OM	BOD09C-1310-K11-OM
Optical Demultiplexer	BOD05C-1310-K13-OD	BOD09C-1310-K11-OD

Typical Performance Data	Unit		
Number of channels		5	9
CWDM central wavelengths	[nm]	1511, 1531, 1551, 1571	1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611
CWDM passband	[nm]	± 6.5	± 6.5
CWDM passband flatness	[dB]	0.5	0.5
Max. CWDM insertion loss *)	[dB]	2.2	3.2
Typical. CWDM insertion loss *)	[dB]	1.8	2.5
Max. CWDM insertion loss MUX-DEMUX pair *)	[dB]	3.4	4.4
Typical. CWDM insertion loss MUX-DEMUX pair *)	[dB]	2.5	3.5
Optical isolation adjacent channels	[dB]	30	30
Optical isolation non adj. channel	[dB]	45	45
Passband 1310 nm WDM	[nm]	1270-1350	
Min. Reflect Band 1310nm WDM	[nm]	1504-1578 or 1464-1618	
Max. Insertion loss Pass Band 1310 nm*)	[dB]	1.0	
Max. Insertion loss Reflect Band 1310nm *)	[dB]	0.6	
Isolation Pass Band 1310 nm	[dB]	>35	
Optical isolation 1310nm ↔ CWDM	[dB]	40	40
Return loss	[dB]	45	45
Operating temperature	[°C]	0 to +65	0 to +65

*) excluding connector loss