

BODnnC-Kxx-yy

OPTICAL MULTIPLEXER CWDM

Application

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

Features

- ▶ Thin-film technology
- ▶ 20nm ITU grid channel spacing
- ▶ High isolation
- ▶ Low insertion loss
- ▶ Epoxy-free optical path
- ▶ Available as MUX (BODnnC-Kxx-OM) and DEMUX (BODnnC-Kxx-OD) optimized for lowest insertion loss when used as a pair in a transmission system

- ▶ Available in

compact housing with pigtails	BODnnC-Kxx-yy
BK - module with adaptors	BODnnC-Kxx-yy-BK
19" - 1 HU housing with adaptors	BODnnC-Kxx-yy-H
other on request	
- ▶ Connectors: SC/APC, LC/APC or E2000



Types:	MUX:BOD...	18C-K01-OM	16C-Kxx-OM	08C-Kxx-OM	04C-Kxx-OM	02C-Kxx-OM
	DEMUX:BOD...	18C-K01-OD	16C-Kxx-OD	08C-Kxx-OD	04C-Kxx-OD	02C-Kxx-OD

Performance Data	Unit	18C-K01-OM	16C-Kxx-OM	08C-Kxx-OM	04C-Kxx-OM	02C-Kxx-OM
ITU-T-grid channel number		18	16	8	4	2
Channel spacing	[nm]	20				
Start wavelength		K01	Kxx	Kxx	Kxx	Kxx
Passband	[nm]	$\lambda_{ITU} \pm 6.5$				
Passband flatness	[dB]	0.5	0.5	0.5	0.5	0.5
Max Insertion loss*)	[dB]	5.3	4.5	2.6	2.0	1.5
Typ. Insertion loss*)	[dB]	4.7	4.1	2.2	1.7	1.1
Max. Insertion loss MUX-DEMUX pair*)	[dB]	6.5	6.0	3.6	3.0	2.5
Min. optical isolation adjacent channels	[dB]	> 30				
Min. optical isolation non adjacent channel	[dB]	> 45				
Return loss	[dB]	> 45				
Directivity	[dB]	> 50				
Operating temperature	[°C]	0 ... 65				

*) excluding connector loss

