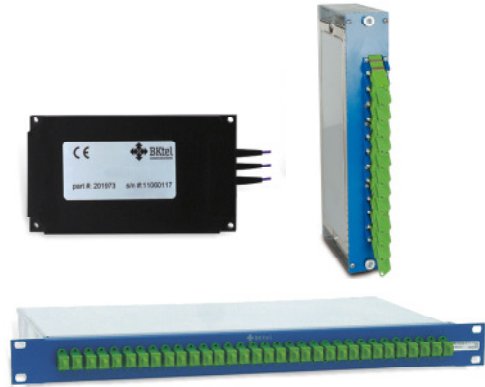


# BOMn-Kxx-yy

## OPTICAL ADD/DROP MULTIPLEXER FOR DWDM

### Application

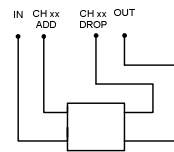
- ▶ Multiplexing and demultiplexing of optical signals in
  - CATV networks,
  - MANs or
  - LANs
- ▶ Available as 'ADD', 'DROP' or 'ADD and DROP' multiplexer:
  - BOMn-Kxx-A: optical ADD Multiplexer
  - BOMn-Kxx-D: optical DROP Multiplexer
  - BOMn-Kxx-AD: optical ADD and DROP Multiplexer
- ▶ Transmission of multiple optical signals via one optical fiber
- ▶ For downstream and upstream applications in optical networks



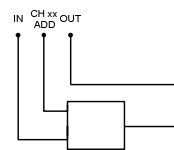
### Features

- ▶ Thin-film technology
- ▶ 100 GHz (0.8 nm) and 200 GHz (1.6 nm) ITU grid channel spacing
- ▶ High isolation
- ▶ Low insertion loss
- ▶ Epoxy-free optical path
- ▶ Available in:
 

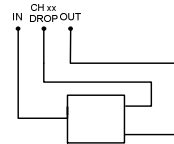
compact housing with pigtails	BOMn-Kxx-yy
19" - 1 HU housing with adaptors	BOMn-Kxx-yy-H
19" - 3 HU plug-in unit with adaptors	BOMn-Kxx-yy-V
1 unit BK module housing	BOMn-Kxx-yy-BK
- ▶ FC/APC, SC/APC or E2000 connectors



BOMn-Kxx-AD: optical ADD and DROP Multiplexer



BOMn-Kxx-A: optical ADD Multiplexer



BOMn-Kxx-D: optical DROP Multiplexer

**Types**
**BOM100-Kxx-AD**
**BOM200-Kxx-AD**

<b>Typical Performance Data</b>	<b>Unit</b>		
Number of ITU-T-grid channels		1	1
Channel spacing	[GHz]	100	200
Add/Drop wavelength (ITU-T-channel number)		Kxx	Kxx
Passband	[nm]	0.2	0.5
Passband flatness	[dB]	0.5	0.5
Insertion loss IN – OUT *)	[dB]	1.0	1.0
Insertion loss IN – DROP, ADD -OUT *)	[dB]	1.0	1.0
Optical isolation IN-OUT *)	[dB]		25
Optical isolation IN-DROP, ADD-OUT *), adjacent channel	[dB]		25
Optical isolation IN-DROP, ADD-OUT *), non adjacent channel	[dB]		45
Return loss	[dB]		45
Operating temperature	[°C]		0 to +65

\*) excluding connector loss

**Types**
**BOM100-Kxx-A  
BOM100-Kxx-D**
**BOM200-Kxx-A  
BOM200-Kxx-D**

<b>Typical Performance Data</b>	<b>Unit</b>		
Number of ITU-T-grid channels		1	1
Channel spacing	[GHz]	100	200
Add/Drop wavelength (ITU-T-channel number)		Kxx	Kxx
Passband	[nm]	0.2	0.5
Passband flatness	[dB]	0.5	0.5
Insertion loss IN – OUT *)	[dB]	0.6	0.6
Insertion loss IN – DROP, ADD -OUT *)	[dB]	1.0	1.0
Optical isolation IN-OUT	[dB]		12
Optical isolation IN-DROP, ADD-OUT *), adjacent channel	[dB]		25
Optical isolation IN-DROP, ADD-OUT *), non adjacent channel	[dB]		45
Return loss	[dB]		45
Operating temperature	[°C]		0 to +65

\*) excluding connector loss

