

BODnn10-Kxx-yy

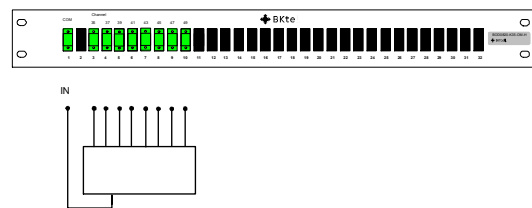
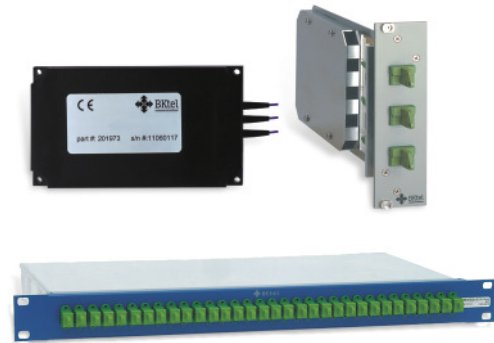
OPTICAL MULTIPLEXER DWDM

Application

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

Features

- ▶ Thin-film technology
- ▶ 100 GHz (0.8 nm) ITU grid channel spacing
- ▶ High isolation
- ▶ Low insertion loss
- ▶ Epoxy-free optical path
- ▶ Available as
 - MUX (BODnn10-Kxx-OM) and
 - DEMUX (BODnn10-Kxx-OD)
 optimized for lowest insertion loss when used as a pair in a transmission system
- ▶ Available in
 - compact housing with pigtailed BODnn10-Kxx-yy
 - 19" - 1 HU housing with adaptors BODnn10-Kxx-yy-H
 - 19" - 3 HU plug-in unit with adaptors BODnn10-Kxx-yyV
- ▶ FC/APC, SC/APC or E2000 connectors



Types: MUX: BOD...	1610-Kxx-OM	0810-Kxx-OM	0410-Kxx-OM	0310-Kxx-OM	0210-Kxx-OM
DEMUX BOD...	1610-Kxx-OD	0810-Kxx-OD	0410-Kxx-OD	0310-Kxx-OD	0210-Kxx-OD

Performance Data	Unit	1610-Kxx-OM	0810-Kxx-OM	0410-Kxx-OM	0310-Kxx-OM	0210-Kxx-OM
ITU-T-grid channel number		16	8	4	3	2
Channel spacing	[GHz]	100	100	100	100	100
Start wavelength		Kxx	Kxx	Kxx	Kxx	Kxx
Passband	[nm]	$\lambda_{ITU} \pm 0.11$	$\lambda_{ITU} \pm 0.11$	$\lambda_{ITU} \pm 0.11$	$\lambda_{ITU} \pm 0.11$	$\lambda_{ITU} \pm 0.11$
Passband flatness	[dB]	0.5	0.5	0.5	0.5	0.5
Max Insertion loss*)	[dB]	4.5	3.0	2.0	1.8	1.5
Typ. Insertion loss*)	[dB]	3.8	2.4	1.6	1.4	1.2
Max. Insertion loss MUX-DEMUX pair*)	[dB]	7.0	3.9	3.0	2.8	2.5
Min. optical isolation adjacent channels	[dB]	28	28	28	28	28
Min. optical isolation non adjacent channel	[dB]	45	45	45	45	45
Return loss	[dB]	45	45	45	45	45
Operating temperature	[°C]	0 ... 65	0 ... 65	0 ... 65	0 ... 65	0 ... 65

*) excluding connector loss