

BTF N/B/R

OPTICAL MULTIPATH FILTER

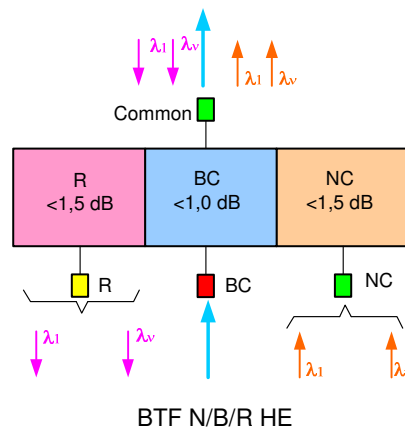
Application

- ▶ Universal optical filter utilized for decoupling of wavelength bands for Broadcast - (BC), Narrowcast - (NC) und Return path - (R) signals
- ▶ Distribution of optical signals in DWDM CATV networks



Features

- ▶ Transmission of BC signals with minimum loss in DWDM networks
- ▶ Low insertion loss for all 3 bands
- ▶ Extension of networks with bands for NC and R are not effecting the BC path
- ▶ Two versions available for different signal directions: Headend (HE) and Hub (HUB)
- ▶ 19"/1HE – chassis or BK module housing (1 unit) with E2000- adaptors



Technical Specifications

Parameter	Unit		Notes
Wavelegnth range for system	nm	1520 – 1561	according ITU-Grid
Maximum wavelength range forBC	nm	1555 - 1561	min. two channels (λ_{min} , λ_{max})
Stop band for NC and R	nm	$\lambda_{min} - 1.3$ to 1561	
Max. insertion loss BC	dB	1.0	Without connector loss (0.2 dB)
Maximum wavelength range NC & R	nm	1520 - 1555	≥ 18 ITU channels each
minmum wavelength range NC & R	nm	1540 - 1555	$\geq je 8$ ITU channels each
The choice of wavelengths is carried out according customer demand			
Max. insertion loss NC und R	dB	1.5	Without connector loss (0.2 dB))
Optical adaptors		E2000/0.1 dB	Other HRL-types on request
Return loss	dB	> 45	
Maximum optical input power	mW dBm	200 23	
Isolation BC and NC	dB	> 25	
Isolation BC and R	dB	> 25	
Isolation R and NC	dB	> 30	
Operating temperature	$^{\circ}\text{C}$	0 to + 65	
Size	mm	483x240x45	19 " / 1 HE
Weight	kg	1.5	

Specifications subject to change without notice - DBe_BTF-N-B-R_060306