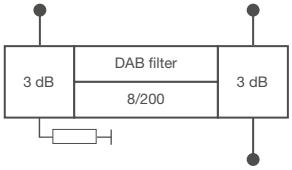
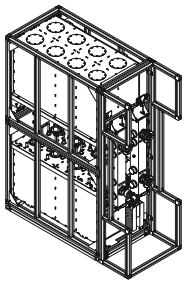
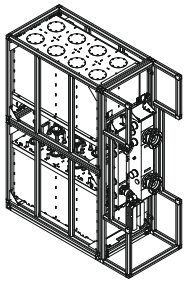
Band 3 DAB CIB Combiners

- Compact design
- For 1.54 MHz block width
- Integrated mask filters for DAB and T-DMB
- Adjacent block operation
- Temperature compensated
- Filters with cross coupling (notch function)

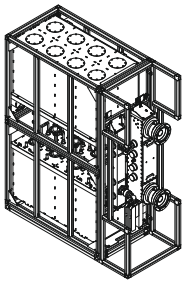




BN 576820



BN 576821



BN 576822

Part Number **Cooling**	**BN 576820** **Natural cooling**	**BN 576821** **Natural cooling**	**BN 576822** **Natural cooling**
Frequency range	174 - 240 MHz		
Block spacing	≥ 0		
Narrowband input	1 5/8" EIA		
Filter type integrated cavities/size	**8/200 ≡ BN 617168**		
Temperature stability	≤ 1 kHz / K		
Harmonics attenuation	≥ 50 dB for f < 500 MHz		
DAB and T-DMB mask filtering	DAB / T-DMB @ 1.54 MHz ($\hat{U}/U_{rms}$=13 dB)		
Average input power	**≤ 6.0 kW**		
Tuning instruction	AS8181		
Insertion loss & mask filtering (alternative tuning on request)	f_0 ≤ 0.7 dB $f_0 \pm 0.77$ ≤ 1.4 dB $f_0 \pm 0.97$ ≥ 20 dB $f_0 \pm 1.15$ ≥ 30 dB. $f_0 \pm 1.75$ ≥ 50 dB $f_0 \pm 2.20$ ≥ 65 dB $f_0 \pm 3.00$ ≥ 65 dB		
Group delay variation	Δτ ≤ 1200 ns		
Wideband input	1 5/8" EIA	3 1/8" EIA	4 1/2" EIA
Average input power	**≤ 14 kW**	**≤ 30 kW**	**≤ 60 kW**
	Attention: The power at the wideband input must be reduced by 50 % of the power fed into the narrowband input.		
Mask filtering	No		
Insertion loss	≤ 0.1 dB (non adjacent)		
Output	1 5/8" EIA	3 1/8" EIA	4 1/2" EIA
Peak output voltage	≤ 7.7 kV	≤ 12.7 kV	≤ 15.5 kV
Average output power	≤ 13.5 kW	–	–
Isolation between inputs	≥ 35 dB		
VSWR	≤ 1.1		
Dimensions (L x W x H) mm	1200 x 520 x 1420 + 50 mm bottom frame		
Weight	≈ 280 kg		
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		