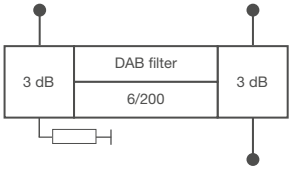
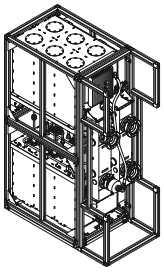
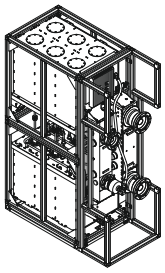
Band 3 DAB CIB Combiners

- 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)
- High power version





BN 576816



BN 576817

Part Number **Cooling**	**BN 576816** **Liquid cooling**	**BN 576817** **Liquid cooling**
Frequency range	174 - 240 MHz	
Block spacing	≥ 0	
Narrowband input	3 1/8" EIA	
Filter type integrated cavities/size	**6/200 ≡ BN 617165**	
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	**≤ 16 kW @ 0 – 500m**	
Tuning instruction	AS6087	
Insertion loss & mask filtering (alternative tuning on request)	f_0 ≤ 0.6 dB $f_0 \pm 0.77$ ≤ 1.4 dB $f_0 \pm 0.97$ ≥ 15 dB $f_0 \pm 1.75$ ≥ 45 dB $f_0 \pm 2.20$ ≥ 50 dB $f_0 \pm 3.00$ ≥ 50 dB	
Group delay variation	Δτ ≤ 1200 ns	
Wideband input	3 1/8" EIA	4 1/2" EIA
Average input power	**≤ 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	3 1/8" EIA	4 1/2" EIA
Peak output voltage	≤ 12.7 kV	≤ 15.5 kV
Isolation between inputs	≥ 35 dB	
VSWR	≤ 1.1	
Dimensions (L x W x H) mm	1000 x 520 x 1420 + 50 mm bottom frame	
Weight	≈ 250 kg	
Liquid cooling interface	Stainless steel tube 12 x 1 mm ending horizontally at the bottom frame	
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.	