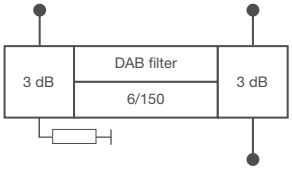
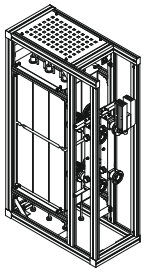
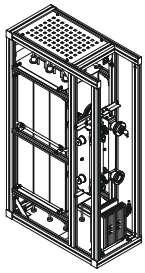
Band 3 DAB CIB Combiners

- **CCS** 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 574918



BN 574916

Part Number	**BN 574918**	**BN 574916**
Frequency range	170 - 240 MHz	
Block spacing	≥ 0	
Narrowband input	1 5/8" EIA	
Filter type integrated cavities/size	**6/150 ≡ BN 617144**	
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	**≤ 3.2 kW**	
Tuning instruction	AS6137	AS6149
Insertion loss & mask filtering (alternative tuning on request)	f_0 ≤ 0.75 dB $f_0 \pm 0.77$ ≤ 1.6 dB $f_0 \pm 0.97$ ≥ 15 dB $f_0 \pm 1.75$ ≥ 45 dB $f_0 \pm 2.2$ ≥ 58 dB $f_0 \pm 3.0$ ≥ 52 dB	f_0 ≤ 0.65 dB $f_0 \pm 0.77$ ≤ 0.90 dB $f_0 \pm 0.97$ n.d. $f_0 \pm 1.75$ ≥ 15 dB $f_0 \pm 2.2$ ≥ 40 dB $f_0 \pm 3.0$ ≥ 50 dB
Group delay variation	Δτ ≤ 1000 ns	Δτ ≤ 400 ns
Wideband input	1 5/8" EIA	3 1/8" EIA male
Average input power	**≤ 14 kW**	**≤ 30 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 male
Peak output voltage	≤ 7.7 kV	≤ 12.7 kV
Average output power	≤ 13.5 kW	–
Isolation between inputs	≥ 35 dB	
VSWR	≤ 1.1	
Dimensions (L x W x H) mm	800 x 390 x 1420	
Weight	≈ 120 kg	≈ 130 kg
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.	