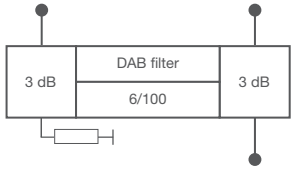
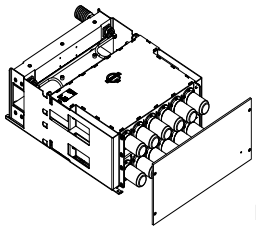
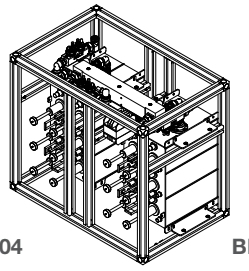
Band 3 DAB CIB Combiners

- 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)

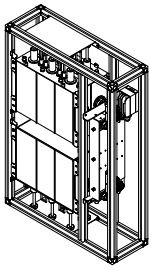




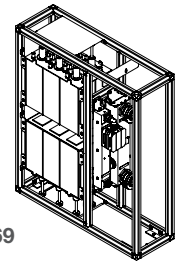
BN 576804



BN 574929



BN 574969



BN 574997

Part Number	BN 576804 19" Design	BN 574929 19" Design	BN 574969 CCS Design	BN 574997 CCS Design
Frequency range	170 - 240 MHz			
Block spacing	≥ 0			
Narrowband input	7-16 female			
Filter type integrated cavities/size	**6/70 ≡ BN 617129**	**6/100 ≡ BN 617116**		
Temperature stability	≤ 1 kHz / K	≤ 1 kHz / K		
Harmonics attenuation	≥ 50 dB for f ≤ 500 MHz	≥ 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	**≤ 600 W**	**≤ 1.2 kW**		
Tuning instruction	AS6547	AS6033		
Insertion loss & mask filtering (alternative tuning on request)	f_0 ≤ 1.5 dB $f_0 \pm 0.77$ ≤ 3.6 dB $f_0 \pm 0.97$ ≥ 15 dB $f_0 \pm 1.75$ ≥ 45 dB $f_0 \pm 2.2$ ≥ 50 dB $f_0 \pm 3.0$ ≥ 50 dB	f_0 ≤ 1.0 dB $f_0 \pm 0.77$ ≤ 2.3 dB $f_0 \pm 0.97$ ≥ 15 dB $f_0 \pm 1.75$ ≥ 45 dB $f_0 \pm 2.2$ ≥ 53 dB $f_0 \pm 3.0$ ≥ 53 dB		
Group delay variation	Δτ ≤ 1200 ns			
Wideband input	7-16 female			1 5/8" EIA
Average input power	**≤ 1.5 kW**	**≤ 3 kW**		**≤ 8 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	7-16 female			1 5/8" EIA
Peak output voltage	≤ 2.8 kV	≤ 3.2 kV		≤ 7.8 kV
Isolation between inputs	≥ 35 dB			
VSWR	≤ 1.1			
Dimensions (L x W x H) mm	675 x 448 x 200	690 x 448 x 600	660 x 220 x 943	800 x 260 x 943
Weight	≈ 46 kg	≈ 70 kg		
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.			