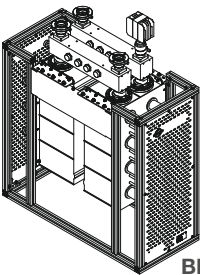
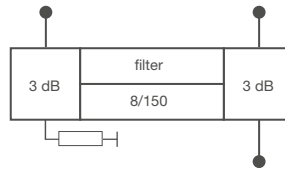
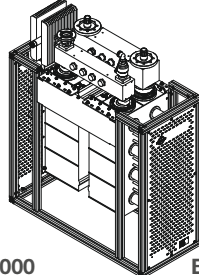


CCS UHF CIB Combiners

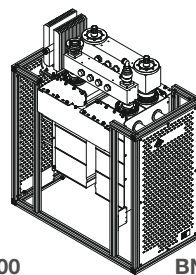
- **CCS** compact design
- Integrated mask filters for DTV
- Adjacent channel operation
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated
- Tuneable within the whole UHF range



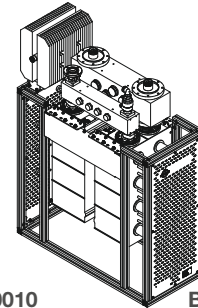
BN 576037A0000



BN 576038A0000



BN 576038A0010



BN 576039A0000

Multi Channel Combiners

Part Number/Size	BN 576037A0000	390	BN 576038A0000	390	BN 576039A0000	390
	BN 576037A0010	480	BN 576038A0010	480	BN 576039A0010	480
Frequency range	470 - 800 MHz					
Channel spacing	≥ 0					
Narrowband input	1 5/8" EIA					
Filter type integrated cavities/size	8/150 ≡ BN 616542					
Temperature stability	≤ 2 kHz / K					
Harmonics attenuation	≥ 50 dB for f ≤ 860 MHz					
DTV mask filtering	DVB-T @ 8 MHz (Ü/U _{rms} =13 dB)		ISDB-T @ 6 MHz (Ü/U _{rms} =13 dB)		ATSC 1.0 @ 6 MHz (Ü/U _{rms} =11 dB)	
Average input power	≤ 4 kW		≤ 3.2 kW		≤ 3.2 kW	
Tuning instruction	AS8071		AS8096		AS8094	
Insertion loss & mask filtering (alternative tuning on request)	470 MHz	860 MHz	470 MHz	803 MHz	470 MHz	806 MHz
	f ₀	≤ 0.5 dB	≤ 0.75 dB	f ₀	≤ 0.6 dB	≤ 0.80 dB
	f ₀ ± 3.805	≤ 1.6 dB	≤ 2.2 dB	f ₀ ± 2.79	≤ 1.4 dB	≤ 1.85 dB
	f ₀ ± 3.885	≤ 1.8 dB	≤ 2.5 dB	f ₀ ± 3.15	≥ 15 dB	f ₀ ± 3.00
	f ₀ ± 4.2	≥ 15 dB		f ₀ ± 4.5	≥ 30 dB	f ₀ ± 3.25
	f ₀ ± 6	≥ 40 dB		f ₀ ± 9	≥ 55 dB	f ₀ ± 9
	f ₀ ± 12	≥ 55 dB				
Group delay variation	Δτ ≤ 700 ns		Δτ ≤ 500 ns		Δτ ≤ 400 ns	
Wideband input	1 5/8" EIA		3 1/8" EIA male		4 1/2" EIA male	
Average input power	≤ 7 kW		≤ 17.5 kW		≤ 33 kW	
	Attention: The power at the wideband input must be reduced by 50 % of the power fed into the narrowband input.					
DTV mask filtering	No					
Insertion loss	≤ 0.1 dB (non adjacent)					
Output	1 5/8" EIA		3 1/8" EIA male		4 1/2" EIA male	
Peak output voltage	≤ 8.5 kV		≤ 12.5 kV		≤ 15.5 kV	
Average output power	≤ 7 kW		-		-	
Isolation between inputs	≥ 35 dB					
VSWR (one WB channel)	≤ 1.06					
Dimensions (L x W x H) mm	BN 576037A0000, BN 576038A0000, BN 576039A0000: 900 x 390 x 1200 BN 576037A0010, BN 576038A0010, BN 576039A0010: 900 x 480 x 1200					
Weight	≈ 105 kg		≈ 120 kg		≈ 135 kg	
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.					