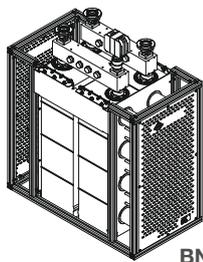
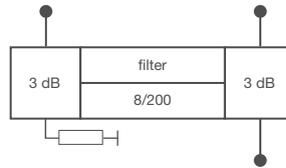
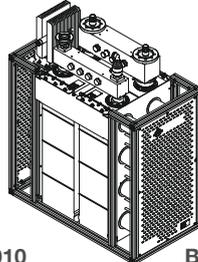


CCS UHF CIB Combiners

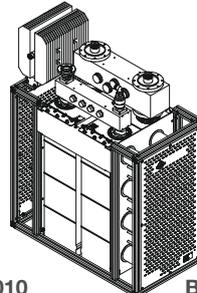
- **CCS** compact design
- Integrated mask filters for DTV
- Adjacent channel operation
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated
- Tuneable within the whole UHF range



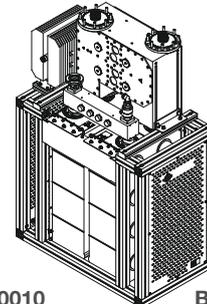
BN 576060A0010



BN 576061A0010



BN 576062A0010



BN 576063A0020

Multi Channel Combiners

Part Number	BN 576060A0010	BN 576061A0010	BN 576062A0010	BN 576063A0020					
Frequency range	470 - 800 MHz								
Channel spacing	≥ 0								
Narrowband input	1 5/8" EIA								
Filter type integrated cavities/size	8/200 ≡ BN 616544								
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 @ 7 MHz (Ü/U _{rms} =13 dB)	ATSC 1.0 @ 6 MHz (Ü/U _{rms} =13 dB)						
Average input power	≤ 7 kW	≤ 6.4 kW	≤ 6.4 kW						
Tuning instruction	AS8067	AS8074	AS8066						
Insertion loss & mask filtering (alternative tuning on request)	470 MHz	860 MHz	470 MHz	803 MHz	470 MHz	820 MHz			
	f ₀	≤ 0.4 dB	≤ 0.5 dB	f ₀	≤ 0.45 dB	≤ 0.5 dB	f ₀	≤ 0.5 dB	≤ 0.55 dB
	f ₀ ± 3.805	≤ 1.0 dB	≤ 1.4 dB	f ₀ ± 2.79	≤ 1.20 dB	≤ 1.5 dB	f ₀ ± 2.69	≤ 1.0 dB	≤ 1.30 dB
	f ₀ ± 3.885	≤ 1.5 dB	≤ 1.7 dB	f ₀ ± 3.15	≥ 15 dB		f ₀ ± 3.0	≥ 4 dB	
	f ₀ ± 4.2	≥ 15 dB		f ₀ ± 4.5	≥ 30 dB		f ₀ ± 3.25	≥ 18 dB	
	f ₀ ± 6	≥ 40 dB		f ₀ ± 9	≥ 55 dB		f ₀ ± 9	≥ 64 dB	
	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	52-120 BT male					
Average input power	≤ 7 kW	≤ 17.5 kW	≤ 33 kW	≤ 60 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	52-120 BT male					
Peak output voltage	≤ 8.5 kV	≤ 12.5 kV	≤ 15.5 kV	≤ 19.5 kV					
Average output power	-	-	-	≤ 60 kW					
Isolation between inputs	≥ 35 dB								
VSWR (one WB channel)	≤ 1.06								
Dimensions (L x W x H) mm	900 x 480 x 1200			900 x 520 x 1400					
Weight	≈ 160 kg	≈ 170 kg	≈ 185 kg	≈ 230 kg					
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.								