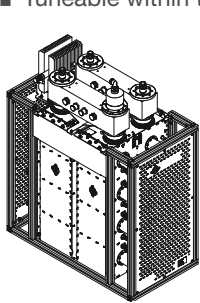
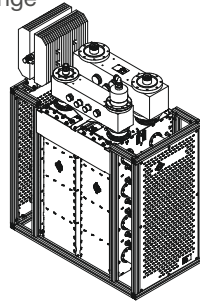


CCS UHF CIB Combiners

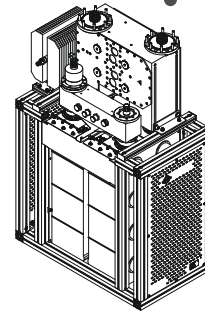
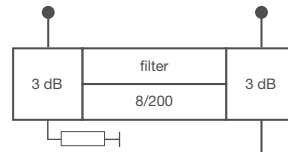
- **CCS** compact design
- Integrated mask filters for DTV
- Adjacent channel operation
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated
- Tuneable within the whole UHF range



BN 576065A0010



BN 576066A0010



BN 576067A0020

Part Number	BN 576065A0010	BN 576066A0010	BN 576067A0020
Frequency range		470 - 800 MHz	
Channel spacing		≥ 0	
Narrowband input		3 1/8" EIA male	
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	≤ 8 kW	≤ 6.4 kW	≤ 6.4 kW
Tuning instruction	AS8067	AS8074	AS8066
Insertion loss & mask filtering (alternative tuning on request)	470 MHz 860 MHz f ₀ ≤ 0.4 dB ≤ 0.5 dB f ₀ ± 3.805 ≤ 1.0 dB ≤ 1.4 dB f ₀ ± 3.885 ≤ 1.5 dB ≤ 1.7 dB f ₀ ± 4.2 ≥ 15 dB f ₀ ± 6 ≥ 40 dB f ₀ ± 12 ≥ 55 dB	470 MHz 803 MHz f ₀ ≤ 0.45 dB ≤ 0.5 dB f ₀ ± 2.79 ≤ 1.20 dB ≤ 1.5 dB f ₀ ± 3.15 ≥ 15 dB f ₀ ± 4.5 ≥ 30 dB f ₀ ± 9 ≥ 55 dB	470 MHz 820 MHz f ₀ ≤ 0.5 dB ≤ 0.55 dB f ₀ ± 2.69 ≤ 1.0 dB ≤ 1.30 dB f ₀ ± 3.0 ≥ 4 dB f ₀ ± 3.25 ≥ 18 dB f ₀ ± 9 ≥ 64 dB
Group delay variation	Δτ ≤ 700 ns	Δτ ≤ 500 ns	Δτ ≤ 400 ns
Wideband input	3 1/8" EIA male	4 1/2" EIA male	52-120 BT male
Average input power	≤ 17.5 kW	≤ 33 kW	≤ 60 kW
DTV mask filtering		No	
Insertion loss		≤ 0.1 dB (non adjacent)	
Output	3 1/8" EIA male	4 1/2" EIA male	52-120 BT male
Peak output voltage	≤ 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	≈ 175 kg	≈ 190 kg	≈ 240 kg
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		