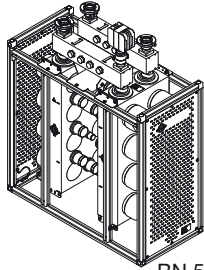
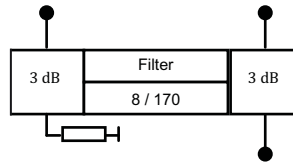
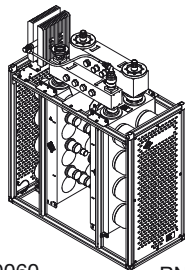


CCS UHF CIB COMBINERS

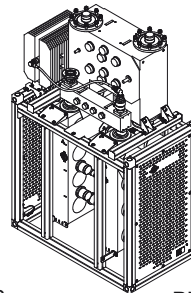
- **CCS** compact design
- integrated mask filters for DTV
- adjacent channel operation
- for 6, 7 and 8 MHz channel bandwidth
- temperature compensated
- tuneable within the whole UHF range



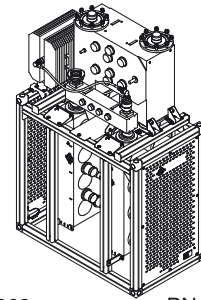
BN 57 55 25 A0060



BN 57 55 26 A0060



BN 57 55 27 A0060



BN 57 55 28 A0020

Part number / Width	BN 57 55 25 A0010 480 BN 57 55 25 A0060 415	BN 57 55 26 A0010 480 BN 57 55 26 A0060 415	BN 57 55 27 A0010 480 BN 57 55 27 A0060 415	BN 57 55 28 A0020 520
Frequency range	470 - 860 MHz			
Channel spacing	≥ 0			
Narrow band input	1 5/8" EIA			
Filter type integrated cavities/size	8/170 ≡ BN 616666			
Temperature stability	≤ 2 kHz / K			
Harmonics attenuation	≥ 50 dB for f ≤ 1000 MHz			
DTV Mask filtering	DVB-T @ 8 MHz ($\dot{U}/U_{rms}=13$ dB)	ISDB-T @ 6 MHz ($\dot{U}/U_{rms}=13$ dB)	ATSC @ 6 MHz ($\dot{U}/U_{rms}=11$ dB)	
Average input power	≤ 7 kW	≤ 6 kW	≤ 6 kW	
Tuning instruction	AS8100	AS8104	AS8103	
Insertion loss & Mask filtering (alternative tuning on request)	470 MHz 860 MHz f ₀ ≤ 0.45 dB ≤ 0.55 dB f ₀ ± 3.805 ≤ 1.20 dB ≤ 1.9 dB f ₀ ± 3.885 ≤ 1.50 dB ≤ 2.1 dB f ₀ ± 4.2 ≥ 15 dB f ₀ ± 6 ≥ 40 dB f ₀ ± 12 ≥ 55 dB	470 MHz 803 MHz f ₀ ≤ 0.50 dB ≤ 0.6 dB f ₀ ± 2.79 ≤ 1.40 dB ≤ 1.8 dB f ₀ ± 3.15 ≥ 12 dB f ₀ ± 4.5 ≥ 28 dB f ₀ ± 9 ≥ 54 dB	470 MHz 803 MHz f ₀ ≤ 0.55 dB ≤ 0.65 dB f ₀ ± 2.69 ≤ 1.15 dB ≤ 1.50 dB f ₀ ± 3 ≥ 4 dB f ₀ ± 3.25 ≥ 18 dB f ₀ ± 9 ≥ 64 dB	
Group delay variation	Δτ ≤ 700 ns		Δτ ≤ 650 ns	
Wide band 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
DTV Mask filtering	Attention: The power at the wide band input must be reduced by 50 % of the power fed into the narrow band input			
Insertion loss	no			
	≤ 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
Isolation between inputs	≥ 35 dB			
VSWR (one WB channel)	≤ 1.06			
Dimensions (L x W x H) mm	900 x 480 x 1200 BN 57 55 25 A0010, BN 57 55 26 A0010, BN 57 55 27 A0010 900 x 415 x 1200 BN 57 55 25 A0060, BN 57 55 26 A0060, BN 57 55 27 A0060			900 x 520 x 1400
Weight	≈ 125 kg	≈ 135 kg	≈ 150 kg	≈ 195 kg
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“			

Mehrsenderweichen
 Multi-Channel Combiners