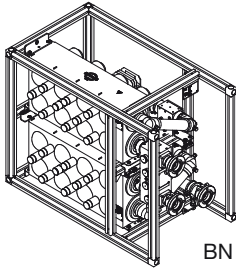
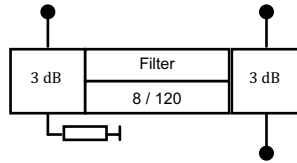
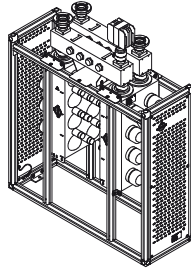


CCS UHF CIB COMBINERS

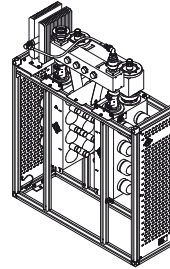
- **CCS** compact design
- integrated mask filters for DTV
- adjacent channel operation
- for 6, 7 and 8 MHz channel bandwidth
- temperature compensated
- tuneable within the whole UHF range



BN 57 55 15 A0070



BN 57 55 16 A0040



BN 57 55 17 A0040

Part number / Size	BN 57 55 15 A0070 448	BN 57 55 16 A0030 700 BN 57 55 16 A0040 900	BN 57 55 17 A0030 700 BN 57 55 17 A0040 900
Frequency range	470 - 860 MHz		
Channel spacing	≥ 0		
Narrow band input	1 5/8" EIA		
Filter type integrated cavities/size	8/120 ≡ BN 616664		
Temperature stability	≤ 2 kHz / K		
Harmonics attenuation	≥ 50 dB for f ≤ 1100 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	≤ 3.2 kW	≤ 2.6 kW	≤ 2.6 kW
Tuning instruction	AS8112	AS8117	AS8115
Insertion loss & Mask filtering (alternative tuning on request)	470 MHz 860 MHz	470 MHz 803 MHz	470 MHz 803 MHz
	f_0 ≤ 0.5 dB ≤ 0.6 dB	f_0 ≤ 0.55 dB ≤ 0.7 dB	f_0 ≤ 0.6 dB ≤ 0.7 dB
	$f_0 \pm 3.805$ ≤ 1.5 dB ≤ 1.8 dB	$f_0 \pm 2.79$ ≤ 1.30 dB ≤ 1.8 dB	$f_0 \pm 2.69$ ≤ 1.3 dB ≤ 1.6 dB
	$f_0 \pm 3.885$ ≤ 1.6 dB ≤ 2.0 dB	$f_0 \pm 3.15$ ≥ 15 dB	$f_0 \pm 3$ ≥ 4 dB
	$f_0 \pm 4.2$ ≥ 15 dB	$f_0 \pm 4.5$ ≥ 30 dB	$f_0 \pm 3.25$ ≥ 18 dB
	$f_0 \pm 6$ ≥ 40 dB	$f_0 \pm 9$ ≥ 55 dB	$f_0 \pm 9$ ≥ 64 dB
	$f_0 \pm 12$ ≥ 55 dB		
Group delay variation	$\Delta\tau \leq 550$ ns	$\Delta\tau \leq 600$ ns	$\Delta\tau \leq 400$ ns
Wide band input	1 5/8" EIA		3 1/8" EIA male
Average input power	≤ 7 kW		≤ 17.5 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
Peak output voltage	≤ 8.5 kV		≤ 12.5 kV
Isolation between inputs	≥ 35 dB		
VSWR (one WB channel)	≤ 1.06		
Dimensions (L x W x H) mm	800 x 448 x 617	700 x 315 x 1200 BN 57 55 16 A0030 900 x 315 x 1200 BN 57 55 16 A0040	700 x 315 x 1200 BN 57 55 17 A0030 900 x 315 x 1200 BN 57 55 17 A0040
Weight	≈ 75 kg	≈ 80 kg	≈ 90 kg
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“		