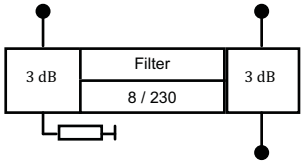
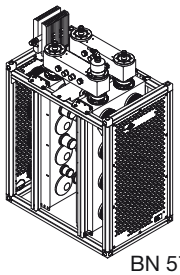
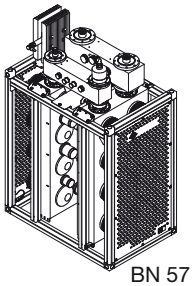
CCS UHF CIB COMBINERS

- **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 35 A0080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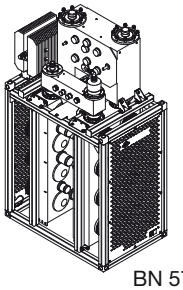
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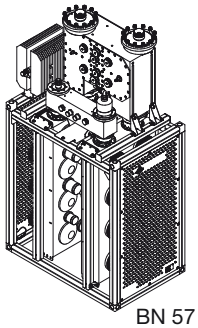
BN 57 55 38 A0080

Part number	**BN 57 55 35 A0080**	**BN 57 55 36 A0080**	**BN 57 55 37 A0080**	**BN 57 55 38 A0080**
Frequency range	470 - 800 MHz			
Channel spacing	≥ 0			
Narrow band input	3 1/8" EIA male			
Filter type integrated cavities/size	**8/230 ≡ BN 616670**			
Temperature stability	≤ 2 kHz / K			
Harmonics attenuation	≥ 50 dB for f ≤ 860 MHz			
DTV Mask filtering	DVB-T @ 8 MHz ($\hat{U}/U_{rms}$=13 dB)		ISDB-T @ 6 MHz ($\hat{U}/U_{rms}$=13 dB)	ATSC @ 6 MHz ($\hat{U}/U_{rms}$=11 dB)
Average input power	**≤ 17 kW**		**≤ 13.5 kW**	**≤ 13.5 kW**
Tuning instruction	AS8124		AS8128	AS8127
Insertion loss & Mask filtering (alternative tuning on request)	470 MHz / 790 MHz f_0: ≤ 0.4 dB / ≤ 0.45 dB $f_0 \pm 3.805$: ≤ 1.05 dB / ≤ 1.10 dB $f_0 \pm 3.885$: ≤ 1.25 dB / ≤ 1.35 dB $f_0 \pm 4.2$: ≥ 15 dB $f_0 \pm 6$: ≥ 40 dB $f_0 \pm 12$: ≥ 55 dB		470 MHz / 790 MHz f_0: ≤ 0.45 dB / ≤ 0.50 dB $f_0 \pm 2.79$: ≤ 1.15 dB / ≤ 1.20 dB $f_0 \pm 3.15$: ≥ 15 dB $f_0 \pm 4.5$: ≥ 30 dB $f_0 \pm 9$: ≥ 55 dB $f_0 \pm 15$: ≥ 65 dB	470 MHz / 790 MHz f_0: ≤ 0.45 dB / ≤ 0.50 dB $f_0 \pm 2.69$: ≤ 1.00 dB / ≤ 1.10 dB $f_0 \pm 3$: ≥ 4 dB $f_0 \pm 3.25$: ≥ 18 dB $f_0 \pm 9$: ≥ 64 dB
Group delay variation	Δτ ≤ 700 ns		Δτ ≤ 550 ns	Δτ ≤ 450 ns
Wide band input	3 1/8" EIA male	4 1/2" EIA male	52-120 BT male	6 1/8" EIA male
Average input power	≤ 17.5 kW	≤ 33 kW	≤ 60 kW	≤ 60 kW
	Attention: The power at the wide band input must be reduced by 50 % of the power fed into the narrow band input			
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	6 1/8" EIA male
Peak output voltage	≤ 12.5 kV	≤ 15.5 kV	≤ 19.5 kV	≤ 24 kV
Isolation between inputs	≥ 35 dB			
VSWR (one WB channel)	≤ 1.06			
Dimensions (L x W x H) mm	900 x 570 x 1400	900 x 570 x 1400	900 x 570 x 1600	900 x 570 x 1650
Weight	≈ 200 kg	≈ 210 kg	≈ 260 kg	≈ 285 kg
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“			

Data subject to change without notice – Edition E