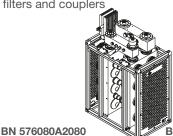
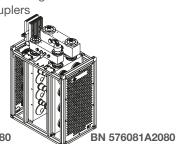


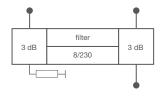
## **CCS** UHF CIB Combiners

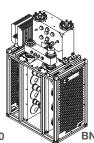
- CCS compact design
- Integrated mask filters for DTV
- Adjacent channel operation
- Temperature compensated
- For 6, 7 and 8 MHz channel bandwidth
- Tuneable within the whole UHF range
- Liquid cooled filters and couplers

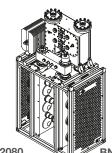












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76082A2080	E	N 576083A2080

Part Number Cooling	BN 576080A2080 Liquid Cooling	BN 576081A2080 Liquid Cooling	BN 576082A2080 Liquid Cooling	BN 576083A2080 Liquid Cooling	
Frequency range	470 - 790 MHz				
Channel spacing	≥ 0				
Narrowband 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				
namonics attenuation					
DTV mask filtering	DVB-T @ 8 MHz			(Û/U <sub>rms</sub> =11 dB)	
Average input power The input power of liquid cooled filters must be reduced if in- stalled more than 500 m above sea level.	≤ 23 kW @ 0 - 1600 m       ≤ 23 kW @ 0 - 1600 m       ≤ 23 kW @ 0 - 1600 m         ≤ 22 kW @ 1800 m       ≤ 22 kW @ 1800 m       ≤ 22 kW @ 1800 m         ≤ 20 kW @ 3400 m       ≤ 20 kW @ 2400 m       ≤ 20 kW @ 2400 m         ≤ 20 kW @ 3800 m       ≤ 18 kW @ 3000 m       ≤ 18 kW @ 3000 m         ≤ 18 kW @ 3800 m       ≤ 16 kW @ 3400 m       ≤ 16 kW @ 3400 m         ≤ 16 kW @ 4200 m       ≤ 14 kW @ 4000 m       ≤ 14 kW @ 4000 m				
Tuning instruction	AS8124 AS8128 AS8127				
Insertion loss & mask filtering (alternative tuning on request)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{llllllllllllllllllllllllllllllllllll$	$45 \text{ dB} \leq 0.5 \text{ dB} \qquad f_0$	.25 ≥ 18 dB	
Group delay variation	$\Delta \tau \le 700 \text{ ns}$ $\Delta \tau \le 550 \text{ ns}$ $\Delta \tau \le 450 \text{ ns}$		$\Delta \tau \leq 450 \text{ ns}$		
Wideband 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	≤ <b>33 kW</b>	≤ 60 kW	≤ 80 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	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	
Average output power	_	_	≤ 60 kW	≤ 78 kW	
Isolation between inputs	≥ 35 dB				
VSWR (one WB channel)	≤ 1.06				
Dimensions (L x W x H) mm			900 x 570 x 1650		
Weight	≈ 200 kg	≈ 210 kg	≈ 260 kg	≈ 285 kg	
Environmental conditions	For limitations see "Environmental Conditions for Broadcast Products".				