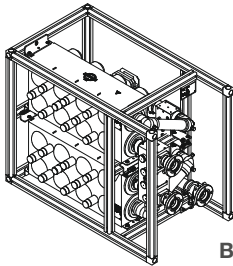
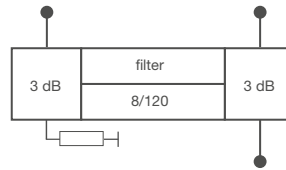
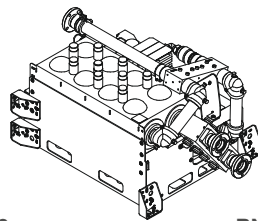


## CCS UHF CIB Combiners

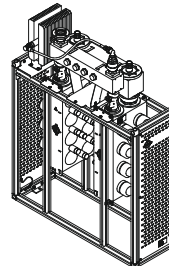
- **CCS** compact design
- Integrated mask filters for DTV
- Adjacent channel operation
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated
- Tuneable within the whole UHF range



BN 578010A0070



BN 578010A0075



BN 576017A0040

Multi Channel Combiners

Part Number/Size	BN 578010A0070 BN 578010A0075	448 570	BN 576016A0030 BN 576016A0040	700 900	BN 576017A0030 BN 576017A0040	700 900
Frequency range	470 - 800 MHz					
Channel spacing	≥ 0					
<b>Narrowband input</b>	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 1.0 @ 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	
<b>Wideband input</b>	1 5/8" EIA				3 1/8" EIA male	
Average input power	≤ 7 kW				≤ 17.5 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)					
<b>Output</b>	1 5/8" EIA				3 1/8" EIA male	
Peak output voltage	≤ 8.5 kV				≤ 12.5 kV	
Average output power	≤ 7 kW				-	
Isolation between inputs	≥ 35 dB					
VSWR (one WB channel)	≤ 1.06					
Dimensions (L x W x H) mm	BN 575515A0070: 800x448x617 BN 575515A0075: 800x570x389		BN 576016A0030, BN 576017A0030: 700 x 315 x 1200 BN 576016A0040, BN 576017A0040: 900 x 315 x 1200			
Weight	≈ 75 kg		≈ 80 kg		≈ 90 kg	
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.					