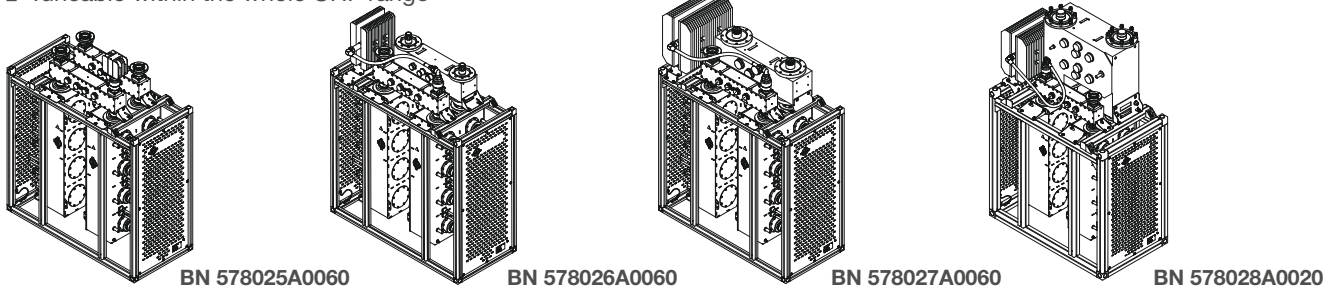
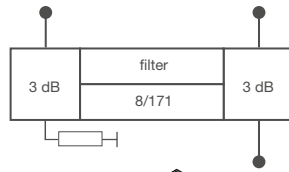


CCS UHF CIB Combiners

- **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



Part Number/Size	BN 578025A0010 480 BN 578025A0060 415	BN 578026A0010 480 BN 578026A0060 415	BN 578027A0010 480 BN 578027A0060 415	BN 578028A0020 520					
Frequency range	470 - 700 MHz								
Channel spacing	≥ 0								
Narrowband input	1 5/8" EIA								
Filter type integrated cavities/size	8/171 ≡ BN 616578								
Temperature stability	≤ 2 kHz / K								
Harmonics attenuation	≥ 50 dB for f ≤ 1000 MHz								
DTV mask filtering	DVB-T @ 8 MHz (Ü/U _{rms} =13 dB)	ISDB-T @ 6 MHz (Ü/U _{rms} =13 dB)	ATSC 1.0 @ 6 MHz (Ü/U _{rms} =11 dB)						
Average input power	≤ 6 kW	≤ 4.8 kW	≤ 4.8 kW						
Tuning instruction	AS8182	AS8183	AS8184						
Insertion loss & mask filtering (alternative tuning on request)	470 MHz	700 MHz	470 MHz	700 MHz	470 MHz	700 MHz			
	f ₀	≤ 0.45 dB	≤ 0.55 dB	f ₀	≤ 0.50 dB	≤ 0.6 dB	f ₀	≤ 0.55 dB	≤ 0.65 dB
	f ₀ ± 3.805	≤ 1.20 dB	≤ 1.90 dB	f ₀ ± 2.79	≤ 1.40 dB	≤ 1.8 dB	f ₀ ± 2.69	≤ 1.15 dB	≤ 1.50 dB
	f ₀ ± 3.885	≤ 1.50 dB	≤ 2.10 dB	f ₀ ± 3.15	≥ 12 dB		f ₀ ± 3	≥ 4 dB	
	f ₀ ± 4.2	≥ 15 dB		f ₀ ± 4.5	≥ 28 dB		f ₀ ± 3.25	≥ 18 dB	
	f ₀ ± 6	≥ 40 dB		f ₀ ± 9	≥ 54 dB		f ₀ ± 9	≥ 64 dB	
f ₀ ± 12	≥ 55 dB								
Group delay variation	Δτ ≤ 700 ns		Δτ ≤ 650 ns		Δτ ≤ 500 ns				
Wideband 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					
	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	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					
Average output power	≤ 7 kW	-	-	≤ 60 kW					
Isolation between inputs	≥ 35 dB								
VSWR (one WB channel)	≤ 1.06								
Dimensions (L x W x H) mm	BN 578025A0010, BN 578026A0010, BN 578027A0010: 900 x 480 x 1200 BN 578025A0060, BN 578026A0060, BN 578027A0060: 900 x 415 x 1200			900 x 520 x 1400					
Weight	≈ 115 kg	≈ 120 kg	≈ 140 kg	≈ 180 kg					
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.								