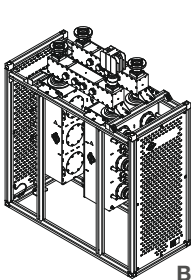
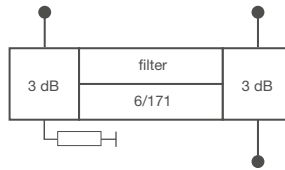
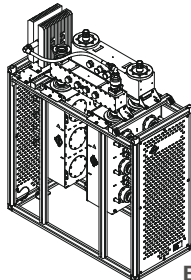


CCS UHF CIB Combiners

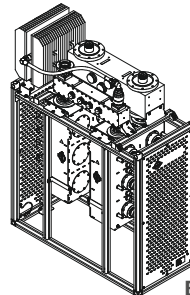
- **CCS** compact design
- Integrated mask filters for ATSC
- For 6 MHz channel bandwidth
- Temperature compensated
- Tuneable within the whole UHF range



BN 578042A0060



BN 578043A0060



BN 578044A0060

Part Number/Size	BN 578042A0010 480 BN 578042A0060 415	BN 578043A0010 480 BN 578043A0060 415	BN 578044A0010 480 BN 578044A0060 415																								
Frequency range	470 - 700 MHz																										
Channel spacing	≥ 1																										
Narrowband input	1 5/8" EIA																										
Filter type integrated cavities/size	6/171 ≡ BN 616577																										
Temperature stability	≤ 2 kHz / K																										
Harmonics attenuation	≥ 67 dB for f ≤ 800 MHz																										
DTV mask filtering	ATSC 1.0 @ 6 MHz (Ü/U _{rms} = 11 dB)		ATSC 3.0 @ 6 MHz (Ü/U _{rms} = 13 dB)																								
Average input power	≤ 6 kW																										
Tuning instruction	AS6585																										
Insertion loss & mask filtering (alternative tuning on request)	<table border="0"> <tr> <td></td> <td>470 MHz</td> <td>700 MHz</td> </tr> <tr> <td>f₀</td> <td>≤ 0.50 dB</td> <td>≤ 0.60 dB</td> </tr> <tr> <td>f₀ ± 2.69</td> <td>≤ 0.70 dB</td> <td>≤ 0.75 dB</td> </tr> <tr> <td>f₀ ± 2.92</td> <td>≤ 0.85 dB</td> <td>≤ 0.95 dB</td> </tr> <tr> <td>f₀ ± 3.5</td> <td colspan="2">≥ 3 dB</td> </tr> <tr> <td>f₀ ± 3.15</td> <td colspan="2">≥ 8 dB</td> </tr> <tr> <td>f₀ ± 6</td> <td colspan="2">≥ 30 dB</td> </tr> <tr> <td>f₀ ± 9</td> <td colspan="2">≥ 65 dB</td> </tr> </table>				470 MHz	700 MHz	f ₀	≤ 0.50 dB	≤ 0.60 dB	f ₀ ± 2.69	≤ 0.70 dB	≤ 0.75 dB	f ₀ ± 2.92	≤ 0.85 dB	≤ 0.95 dB	f ₀ ± 3.5	≥ 3 dB		f ₀ ± 3.15	≥ 8 dB		f ₀ ± 6	≥ 30 dB		f ₀ ± 9	≥ 65 dB	
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f ₀ ± 9	≥ 65 dB																										
Group delay variation	Δτ ≤ 200 ns																										
Wideband input	1 5/8" EIA	3 1/8" EIA male	4 1/2" EIA male																								
Average input power	≤ 7 kW	≤ 17.5 kW	≤ 33 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																								
Peak output voltage	≤ 8.5 kV	≤ 12.5 kV	≤ 15.5 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 578042A0010, BN 578043A0010, BN 578044A0010: 900 x 480 x 1200 BN 578042A0060, BN 578043A0060, BN 578044A0060: 900 x 415 x 1200																										
Weight	≈ 96 kg	≈ 100 kg	≈ 120 kg																								
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.																										