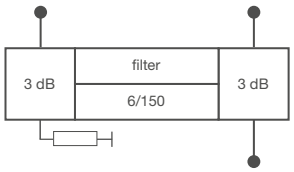
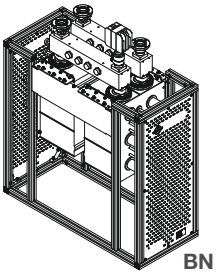
CCS UHF CIB Combiners

- **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





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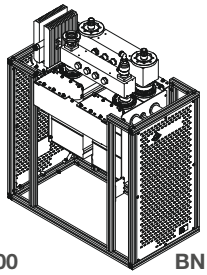

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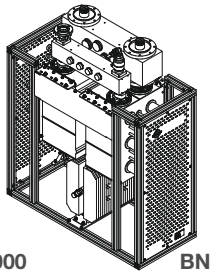

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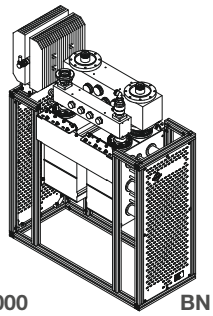

BN 576035A0010

Part Number/Size	**BN 576036A0000** 390 **BN 576036A0010** 480	**BN 576034A0000** 390 **BN 576034A0010** 480	**BN 576035A0000** 390 **BN 576035A0010** 480
Frequency range	470 - 800 MHz		
Channel spacing	≥ 0		
Narrowband input	1 5/8" EIA		
Filter type integrated cavities/size	**6/150 ≡ BN 616518**		
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)	DVB-T @ 7 MHz ($\hat{U}/U_{rms}$=13 dB)
Average input power	**≤ 5 kW**	**≤ 4 kW**	**≤ 4.5 kW**
Tuning instruction	AS6193	AS6184	AS6289
Insertion loss & mask filtering (alternative tuning on request)	470 MHz 860 MHz f_0 ≤ 0.40 dB ≤ 0.55 dB $f_0 \pm 3.805$ ≤ 0.85 dB ≤ 1.3 dB $f_0 \pm 3.885$ ≤ 1.05 dB ≤ 1.5 dB $f_0 \pm 4.2$ ≥ 4 dB $f_0 \pm 6$ ≥ 20 dB $f_0 \pm 12$ ≥ 40 dB	470 MHz 803 MHz f_0 ≤ 0.5 dB ≤ 0.7 dB $f_0 \pm 2.79$ ≤ 1.2 dB ≤ 1.6 dB $f_0 \pm 3.0$ ≥ 3.5 dB $f_0 \pm 3.15$ ≥ 8 dB $f_0 \pm 4.5$ ≥ 23 dB $f_0 \pm 9$ ≥ 48 dB $f_0 \pm 15$ ≥ 50 dB	470 MHz 820 MHz f_0 ≤ 0.45 dB ≤ 0.6 dB $f_0 \pm 3.2$ ≤ 0.65 dB ≤ 0.95 dB $f_0 \pm 4.2$ ≥ 13 dB $f_0 \pm 10.5$ ≥ 38 dB
Group delay variation	Δτ ≤ 350 ns	Δτ ≤ 500 ns	Δτ ≤ 150 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 576036A0000, BN 576034A0000, BN 576035A0000:** 900 x 390 x 1200 **BN 576036A0010, BN 576034A0010, BN 576035A0010:** 900 x 480 x 1200		
Weight	≈ 90 kg	≈ 100 kg	≈ 115 kg
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		