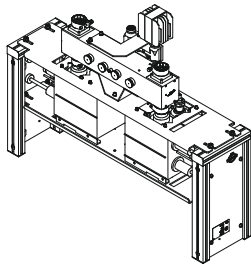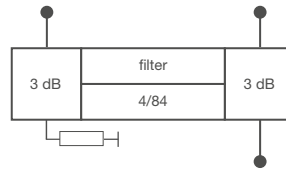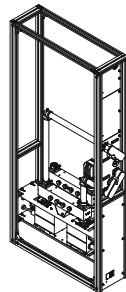# CCS UHF CIB Combiners

- **CCS** compact design
- Suitable for analogue and digital TV
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated
- Tuneable within the whole UHF range

	filter
3 dB	4/84	3 dB

BN 576001C0002 with rack

BN 576002 inside switching rack

<div style="text-align: right">Multi Channel Combiners</div>

Part Number	BN 576001C0002	BN 576002C0002
Frequency range	470 - 800 MHz	
Channel spacing	≥ 1	
Narrowband input	7-16 female	1 5/8" EIA
Filter type integrated cavities/size	**4/84 ≡ BN 616400**	
Temperature stability	≤ 2 kHz / K	
Harmonics attenuation	≥ 45 dB for f ≤ 950 MHz	
DTV mask filtering	No	
Channel width	8 MHz $(\hat{U}/U_{rms}=13\ dB)$	6 MHz $(\hat{U}/U_{rms}=13\ dB)$
Average input power	≤ 1.5 kW BN 576001C0002 ≤ 2.5 kW BN 576002C0002	
Tuning instruction	AS4055	AS4038
Insertion loss (alternative tuning on request)	470 MHz 860 MHz f_0 ≤ 0.4 dB ≤ 0.45 dB $f_0 \pm 3.805$ ≤ 0.5 dB ≤ 0.6 dB $f_0 \pm 3.885$ ≤ 0.5 dB ≤ 0.6 dB $f_0 \pm 12$ ≥ 28 dB	470 MHz 860 MHz f_0 ≤ 0.45 dB ≤ 0.55 dB $f_0 \pm 3$ ≤ 0.60 dB ≤ 0.75 dB $f_0 \pm 9$ ≥ 30 dB
Group delay variation	$\Delta\tau \leq 90$ ns	$\Delta\tau \leq 100$ ns
Wideband input	1 5/8" EIA	
Average input power	≤ 7 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" SMS unflanged	
Average output power	≤ 7 kW	
Peak output voltage	≤ 8.5 kV	
Isolation between inputs	≥ 35 dB	
VSWR (one WB channel)	≤ 1.06	
Dimensions (L x W x H) mm	900 x 226 x 660	900 x 226 x 965
Weight	≈ 30 kg	≈ 40 kg
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products".	