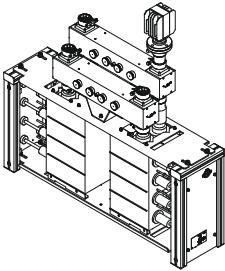
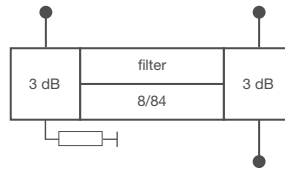
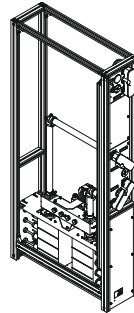


CCS UHF CIB Combiners

- **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 576008C0002
with rack



BN 576007
inside switching rack

Multi Channel
Combiners

Part Number	BN 576007C0002		BN 576008C0002	
Frequency range	470 - 800 MHz			
Channel spacing	≥ 0			
Narrowband input	7-16 female		1 5/8" EIA	
Filter type integrated cavities/size	8/84 ≡ BN 616403			
Temperature stability	≤ 2 kHz / K			
Harmonics attenuation	≥ 50 dB for f ≤ 950 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	≤ 1.5 kW		≤ 1.2 kW	≤ 1.2 kW
Tuning instruction	AS8068		AS8091	AS8051
Insertion loss & mask filtering (alternative tuning on request)	470 MHz 860 MHz	470 MHz 803 MHz	470 MHz 803 MHz	470 MHz 803 MHz
	f_0 ≤ 0.6 dB ≤ 0.75 dB	f_0 ≤ 0.7 dB ≤ 1.3 dB	f_0 ≤ 0.9 dB ≤ 1.3 dB	f_0 ≤ 0.9 dB ≤ 1.3 dB
	$f_0 \pm 3.805$ ≤ 1.8 dB ≤ 2.2 dB	$f_0 \pm 2.79$ ≤ 1.8 dB ≤ 3.1 dB	$f_0 \pm 2.69$ ≤ 1.9 dB ≤ 2.7 dB	$f_0 \pm 2.69$ ≤ 1.9 dB ≤ 2.7 dB
	$f_0 \pm 3.885$ ≤ 2.1 dB ≤ 2.6 dB	$f_0 \pm 3.15$ ≥ 15 dB	$f_0 \pm 3.0$ ≤ 3 dB	$f_0 \pm 3.0$ ≤ 3 dB
	$f_0 \pm 4.2$ ≥ 15 dB	$f_0 \pm 4.5$ ≥ 30 dB	$f_0 \pm 3.25$ ≥ 18 dB	$f_0 \pm 3.25$ ≥ 18 dB
	$f_0 \pm 6$ ≥ 40 dB	$f_0 \pm 9$ ≥ 55 dB	$f_0 \pm 9$ ≥ 64 dB	$f_0 \pm 9$ ≥ 64 dB
	$f_0 \pm 12$ ≥ 55 dB			
Group delay variation	$\Delta\tau$ ≤ 600 ns		$\Delta\tau$ ≤ 500 ns	$\Delta\tau$ ≤ 400 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 665		900 x 226 x 965	
Weight	≈ 35 kg		≈ 45 kg	
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.			