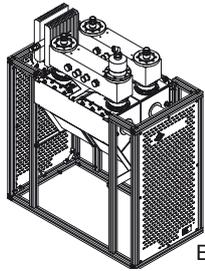
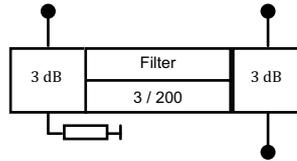
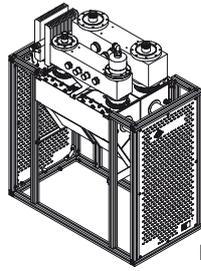


### CCS UHF CIB COMBINERS

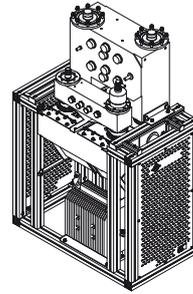
- **CCS** compact design
- for 6, 7 and 8 MHz channel bandwidth
- temperature compensated
- tuneable within the whole UHF range



BN 57 42 83 A0010



BN 57 42 81 A0010



BN 57 42 86 A0020

Part number	BN 57 42 83 A0010	BN 57 42 81 A0010	BN 57 42 86 A0020
Frequency range	470 - 860 MHz		
Channel spacing	≥ 2		
<b>Narrow band input</b>	3 1/8" EIA male		
Filter type integrated cavities/size	<b>3/200 ≡ BN 616434</b>		
Temperature stability	≤ 2 kHz / K		
Harmonics attenuation	≥ 25 dB for f ≤ 860 MHz		
DTV mask filtering	no		
Channel width	8 MHz ( $\dot{U}/U_{rms}=13$ dB)		6 MHz ( $\dot{U}/U_{rms}=13$ dB)
Average input power	≤ 20 kW		≤ 20 kW
Tuning instruction	AS3002		AS3004
Insertion loss (alternative tuning on request)	470 MHz 860 MHz $f_0$ ≤ 0.15 dB ≤ 0.20 dB $f_0 \pm 3.885$ ≤ 0.20 dB ≤ 0.25 dB $f_0 \pm 20$ ≥ 17 dB		470 MHz 803 MHz $f_0$ ≤ 0.20 dB ≤ 0.25 dB $f_0 \pm 3.0$ ≤ 0.20 dB ≤ 0.25 dB $f_0 \pm 15$ ≥ 17 dB
Group delay variation	$\Delta\tau$ ≤ 10 ns		$\Delta\tau$ ≤ 10 ns
<b>Wide band input</b>	3 1/8" EIA male	4 1/2" EIA male	52-120 BT male
Average input power	≤ 17 kW	≤ 33 kW	≤ 60 kW
	Attention: The power at the wide band input must be reduced by 50 % of the power fed into the narrow band input		
DTV Mask filtering	no		
Insertion loss	≤ 0.1 dB (non adjacent)		
<b>Output</b>	3 1/8" EIA male	4 1/2" EIA male	52-120 BT male
Peak output voltage	≤ 12.5 kV	≤ 15.5 kV	≤ 19.5 kV
Isolation between inputs	≥ 35 dB		
VSWR (one WB channel)	≤ 1.06		
Dimensions (L x W x H) mm	900 x 480 x 1200	900 x 480 x 1200	900 x 480 x 1200
Weight	≈ 95 kg	≈ 115 kg	≈ 155 kg
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“		