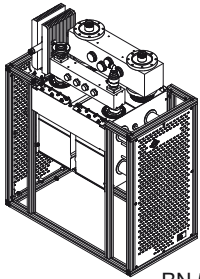
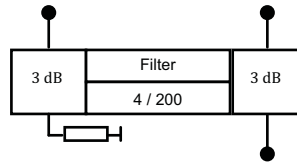
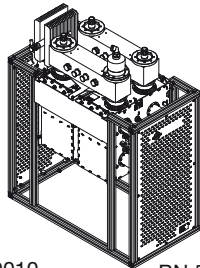


CCS UHF CIB COMBINERS

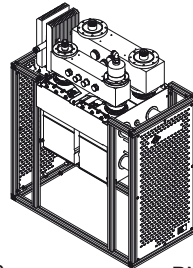
- CCS compact design
- for 6, 7 and 8 MHz channel bandwidth
- temperature compensated
- tuneable within the whole UHF range



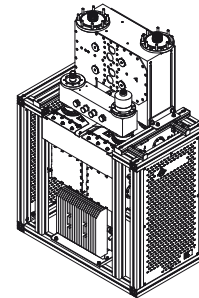
BN 57 49 76 A0010



BN 57 49 73 A0010



BN 57 49 75 A0010



BN 57 49 85 A0020

Part number	BN 57 49 76 A0010	BN 57 49 73 A0010	BN 57 49 75 A0010	BN 57 49 85 A0020
Frequency range	470 - 860 MHz			
Channel spacing	≥ 1			
Narrow band input	1 5/8" EIA	3 1/8" EIA male		
Filter type integrated cavities/size	4/200 ≡ BN 616409			
Temperature stability	≤ 2 kHz / K			
Harmonics attenuation	≥ 40 dB for f ≤ 800 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	≤ 7 kW BN 57 49 76 A0010 ≤ 15 kW BN 57 49 73 A0010 ≤ 15 kW BN 57 49 75 A0010 ≤ 15 kW BN 57 49 85 A0020			≤ 7 kW BN 57 49 76 A0010 ≤ 15 kW BN 57 49 73 A0010 ≤ 15 kW BN 57 49 75 A0010 ≤ 15 kW BN 57 49 85 A0020
Tuning instruction	AS4056		AS4057	
Insertion loss & Mask filtering (alternative tuning on request)	470 MHz 860 MHz f_0 ≤ 0.25 dB ≤ 0.3 dB $f_0 \pm 3.885$ ≤ 0.25 dB ≤ 0.3 dB $f_0 \pm 12$ ≥ 30 dB		470 MHz 803 MHz f_0 ≤ 0.3 dB ≤ 0.35 dB $f_0 \pm 2.79$ ≤ 0.3 dB ≤ 0.35 dB $f_0 \pm 9$ ≥ 30 dB	
Group delay variation	$\Delta\tau \leq 40$ ns		$\Delta\tau \leq 40$ ns	
Wide band input	4 1/2" EIA male	3 1/8" EIA male	4 1/2" EIA male	52-120 BT male
Average input power	≤ 33 kW	≤ 17.5 kW	≤ 33 kW	≤ 60 kW
DTV Mask filtering	Attention: The power at the wide band input must be reduced by 50 % of the power fed into the narrow band input			
Insertion loss	no			
	≤ 0.1 dB (non adjacent)			
Output	4 1/2" EIA male	3 1/8" EIA male	4 1/2" EIA male	52-120 BT male
Peak output voltage	≤ 15.5 kV	≤ 12.5 kV	≤ 15.5 kV	≤ 19.5 kV
Average output power	-	≤ 23.0 kW	-	-
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	900 x 520 x 1400
Weight	≈ 120 kg	≈ 115 kg	≈ 125 kg	≈ 180 kg
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“			