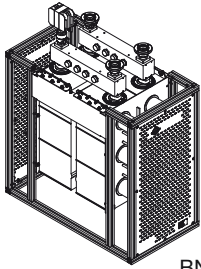
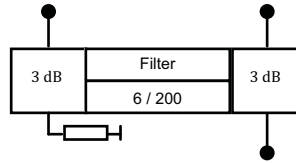
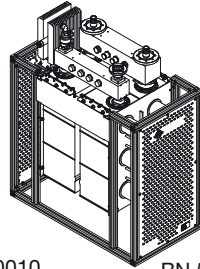


CCS UHF CIB COMBINERS

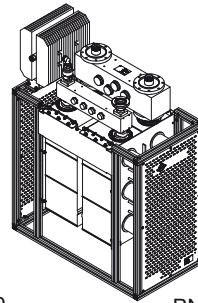
- CCS compact design
- integrated mask filters for DTV
- adjacent channel operation
- for 6, 7 and 8 MHz channel bandwidth
- temperature compensated
- tuneable within the whole UHF range



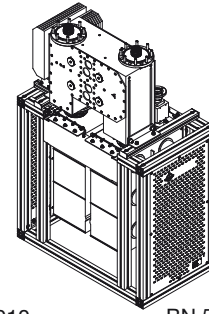
BN 57 46 93 A0010



BN 57 46 94 A0010



BN 57 46 95 A0010



BN 57 46 96 A0020

Part number	BN 57 46 93 A0010	BN 57 46 94 A0010	BN 57 46 95 A0010	BN 57 46 96 A0020					
Frequency range	470 - 860 MHz								
Channel spacing	≥ 0								
<b>Narrow band input</b>	1 5/8" EIA								
Filter type integrated cavities/size	6/200 ≡ BN 616540								
Temperature stability	≤ 2 kHz / K								
Harmonics attenuation	≥ 50 dB for f ≤ 860 MHz								
DTV Mask filtering	DVB-T @ 8 MHz ( $\dot{U}/U_{rms}=13$ dB)	ISDB-T @ 6 MHz ( $\dot{U}/U_{rms}=13$ dB)		DVB-T @ 7 MHz ( $\dot{U}/U_{rms}=13$ dB)					
Average input power	≤ 7 kW	≤ 7 kW	≤ 7 kW	≤ 7 kW					
Tuning instruction	AS6194	AS6185		AS6290					
Insertion loss & Mask filtering (alternative tuning on request)	470 MHz	860 MHz	470 MHz	803 MHz	470 MHz	820 MHz			
	$f_0$	≤ 0.30 dB	≤ 0.45 dB	$f_0$	≤ 0.4 dB	≤ 0.55 dB	$f_0$	≤ 0.30 dB	≤ 0.40 dB
	$f_0 \pm 3.805$	≤ 0.70 dB	≤ 1.00 dB	$f_0 \pm 2.79$	≤ 1.0 dB	≤ 1.40 dB	$f_0 \pm 3.2$	≤ 0.45 dB	≤ 0.55 dB
	$f_0 \pm 3.885$	≤ 0.85 dB	≤ 1.15 dB	$f_0 \pm 3.0$	≥ 4 dB		$f_0 \pm 4.2$	≥ 13 dB	
	$f_0 \pm 4.2$	≥ 4 dB		$f_0 \pm 3.15$	≥ 8 dB		$f_0 \pm 10.5$	≥ 38 dB	
	$f_0 \pm 6$	≥ 20 dB		$f_0 \pm 4.5$	≥ 23 dB				
$f_0 \pm 12$	≥ 40 dB		$f_0 \pm 9$	≥ 48 dB					
		$f_0 \pm 15$	≥ 50 dB						
Group delay variation	$\Delta\tau \leq 350$ ns		$\Delta\tau \leq 500$ ns		$\Delta\tau \leq 150$ ns				
<b>Wide band input</b>	1 5/8" EIA	3 1/8" EIA male	4 1/2" EIA male	52-120 BT male					
Average input power	≤ 7 kW	≤ 17.5 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>	1 5/8" EIA	3 1/8" EIA male	4 1/2" EIA male	52-120 BT male					
Peak output voltage	≤ 8.5 kV	≤ 12.5 kV	≤ 15.5 kV	≤ 19.5 kV					
Average output power	≤ 7 kW	-	-	-					
Isolation between inputs					≥ 35 dB				
VSWR (one WB channel)					≤ 1.06				
Dimensions (L x W x H) mm	900 x 480 x 1200	900 x 480 x 1200	900 x 480 x 1200	900 x 520 x 1400					
Weight	≈ 130 kg	≈ 140 kg	≈ 155 kg	≈ 200 kg					
Environmental conditions					for limitations see „Environmental Conditions for Broadcast Products“				