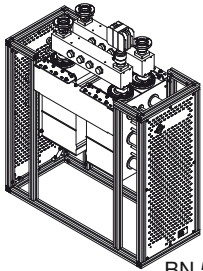
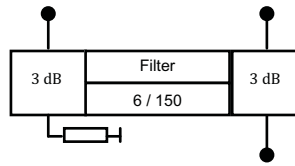
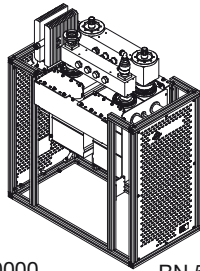


CCS UHF CIB COMBINERS

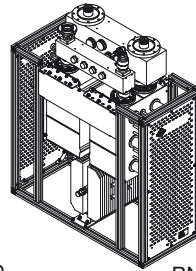
- CCS compact design
- integrated mask filters for DTV
- adjacent channel operation
- for 6, 7 and 8 MHz channel bandwidth
- temperature compensated
- tuneable within the whole UHF range



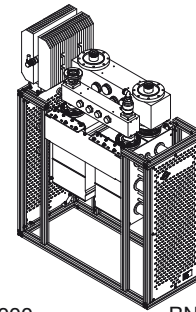
BN 57 49 47 A0000



BN 57 49 34 A0000



BN 57 49 35 A0000



BN 57 49 35 A0010

Part number / Width	BN 57 49 47 A0000 390 BN 57 49 47 A0010 480	BN 57 49 34 A0000 390 BN 57 49 34 A0010 480	BN 57 49 35 A0000 390 BN 57 49 35 A0010 480
Frequency range	470 - 860 MHz		
Channel spacing	≥ 0		
Narrow band input	1 5/8" EIA		
Filter type integrated cavities/size	6/150 ≡ BN 616518		
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	≤ 5 kW	≤ 4 kW	≤ 4.5 kW
Tuning instruction	AS6193	AS6184	AS6289
Insertion loss & Mask filtering (alternative tuning on request)	470 MHz 860 MHz	470 MHz 803 MHz	470 MHz 820 MHz
	f_0 ≤ 0.40 dB ≤ 0.55 dB	f_0 ≤ 0.5 dB ≤ 0.7 dB	f_0 ≤ 0.45 dB ≤ 0.6 dB
	$f_0 \pm 3.805$ ≤ 0.85 dB ≤ 1.3 dB	$f_0 \pm 2.79$ ≤ 1.2 dB ≤ 1.6 dB	$f_0 \pm 3.2$ ≤ 0.65 dB ≤ 0.95 dB
	$f_0 \pm 3.885$ ≤ 1.05 dB ≤ 1.5 dB	$f_0 \pm 3.0$ ≥ 3.5 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
Wide band input	1 5/8" EIA	3 1/8" EIA male	4 1/2" EIA male
Average input power	≤ 7 kW	≤ 17.5 kW	≤ 33 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	1 5/8" EIA	3 1/8" EIA male	4 1/2" EIA male
Peak output voltage	≤ 8.5 kV	≤ 12.5 kV	≤ 15.5 kV
Isolation between inputs	≥ 35 dB		
VSWR (one WB channel)	≤ 1.06		
Dimensions (L x W x H) mm	900 x 390 x 1200 BN 57 49 47 A0000	900 x 390 x 1200 BN 57 49 34 A0000	900 x 390 x 1200 BN 57 49 35 A0000
	900 x 480 x 1200 BN 57 49 47 A0010	900 x 480 x 1200 BN 57 49 34 A0010	900 x 480 x 1200 BN 57 49 35 A0010
Weight	≈ 90 kg	≈ 100 kg	≈ 115 kg
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“		