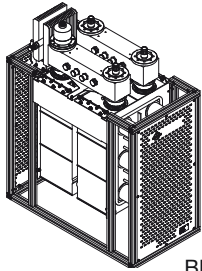
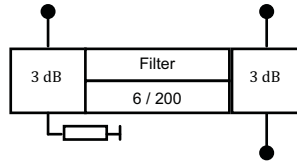
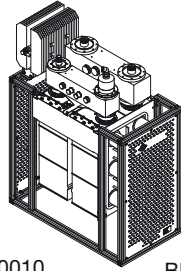


CCS UHF CIB COMBINERS

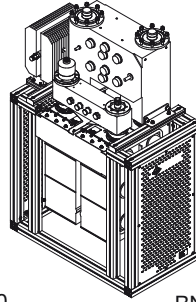
- CCS compact design
- integrated mask filters for DTV
- adjacent channel operation
- for 6, 7 and 8 MHz channel bandwidth
- temperature compensated
- tuneable within the whole UHF range



BN 57 49 28 A0010



BN 57 49 67 A0010



BN 57 49 00 A0020

Part number	BN 57 49 28 A0010	BN 57 49 67 A0010	BN 57 49 00 A0020
Frequency range	470 - 860 MHz		
Channel spacing	≥ 0		
Narrow band input	3 1/8" EIA male		
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	≤ 10 kW	≤ 8 kW	≤ 9 kW
Tuning instruction	AS6194	AS6185	AS6290
Insertion loss & Mask filtering (alternative tuning on request)	470 MHz 860 MHz f_0 ≤ 0.30 dB ≤ 0.45 dB $f_0 \pm 3.805$ ≤ 0.70 dB ≤ 1.00 dB $f_0 \pm 3.885$ ≤ 0.85 dB ≤ 1.15 dB $f_0 \pm 4.2$ ≥ 4 dB $f_0 \pm 6$ ≥ 20 dB $f_0 \pm 12$ ≥ 40 dB	470 MHz 803 MHz f_0 ≤ 0.4 dB ≤ 0.55 dB $f_0 \pm 2.79$ ≤ 1.0 dB ≤ 1.40 dB $f_0 \pm 3.0$ ≥ 4 dB $f_0 \pm 3.15$ ≥ 8 dB $f_0 \pm 4.5$ ≥ 23 dB $f_0 \pm 9$ ≥ 48 dB $f_0 \pm 15$ ≥ 50 dB	470 MHz 820 MHz f_0 ≤ 0.30 dB ≤ 0.40 dB $f_0 \pm 3.2$ ≤ 0.45 dB ≤ 0.55 dB $f_0 \pm 4.2$ ≥ 13 dB $f_0 \pm 10.5$ ≥ 38 dB
Group delay variation	$\Delta\tau \leq 350$ ns	$\Delta\tau \leq 500$ ns	$\Delta\tau \leq 150$ ns
Wide band input	3 1/8" EIA male	4 1/2" EIA male	52-120 BT male
Average input power	≤ 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		
Output	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 520 x 1400
Weight	≈ 140 kg	≈ 160 kg	≈ 205 kg
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“		

Mehrsenderweichen
 Multi-Channel Combiners