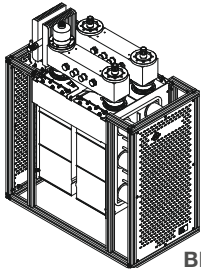
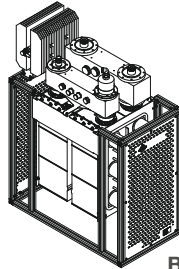


CCS UHF CIB Combiners

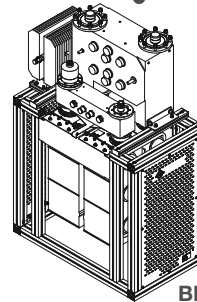
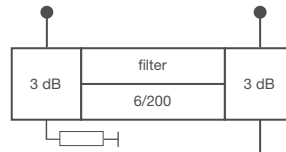
- **CCS** compact design
- Integrated mask filters for DTV
- Adjacent channel operation
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated
- Tuneable within the whole UHF range



BN 576055A0010



BN 576056A0010



BN 576057A0020

Multi Channel Combiners

Part Number	BN 576055A0010	BN 576056A0010	BN 576057A0020
Frequency range	470 - 800 MHz		
Channel spacing	≥ 0		
Narrowband 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	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
Wideband 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
	Attention: The power at the wideband input must be reduced by 50 % of the power fed into the narrowband input.		
DTV mask filtering	No		
Insertion loss	≤ 0.1 dB (non adjacent)		
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
Average output power	-	-	≤ 60 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 520 x 1400
Weight	≈ 140 kg	≈ 160 kg	≈ 205 kg
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		