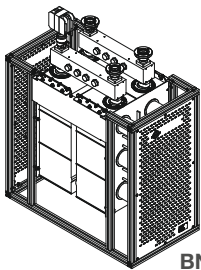
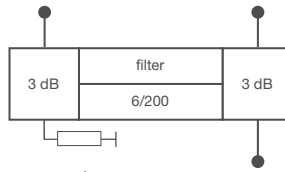
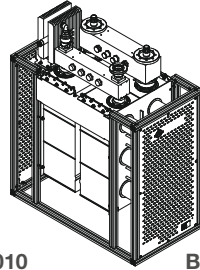


## CCS UHF CIB Combiners

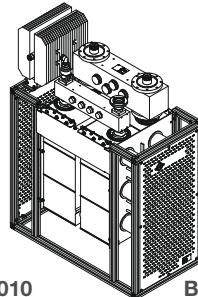
- **CCS** compact design
- Integrated mask filters for DTV
- Adjacent channel operation
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated
- Tuneable within the whole UHF range



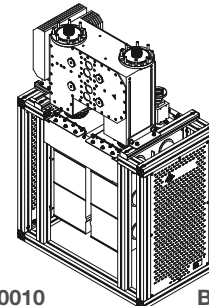
BN 576050A0010



BN 576051A0010



BN 576052A0010



BN 576053A0020

Part Number	BN 576050A0010		BN 576051A0010		BN 576052A0010		BN 576053A0020		
Frequency range	470 - 800 MHz								
Channel spacing	≥ 0								
<b>Narrowband 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 ( $\dot{U}/U_{ms}=13$ dB)		ISDB-T @ 6 MHz ( $\dot{U}/U_{ms}=13$ dB)				DVB-T @ 7 MHz ( $\dot{U}/U_{ms}=13$ dB)		
Average input power	≤ 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	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>Wideband 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 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)								
<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	-		-		-		≤ 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	≈ 130 kg		≈ 140 kg		≈ 155 kg		≈ 200 kg		
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.								