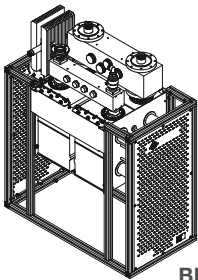
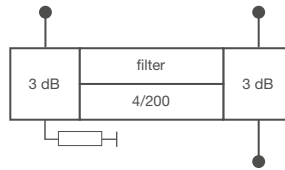
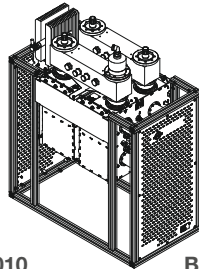


CCS UHF CIB Combiners

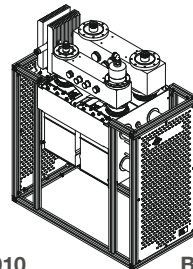
- **CCS** compact design
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated
- Tuneable within the whole UHF range



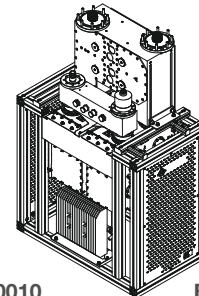
BN 576046A0010



BN 576047A0010



BN 576048A0010



BN 576049A0020

Multi Channel Combiners

Part Number	BN 576046A0010	BN 576047A0010	BN 576048A0010	BN 576049A0020
Frequency range	470 - 800 MHz			
Channel spacing	≥ 1			
Narrowband input	1 5/8" EIA	3 1/8" EIA male		
Filter type integrated cavities/size	4/200 ≡ BN 616409			
Temperature stability	≤ 2 kHz / K			
Harmonics attenuation	≥ 40 dB for f ≤ 800 MHz			
DTV mask filtering	No			
Channel width	8 MHz ($\dot{U}/U_{rms}=13$ dB)		6 MHz ($\dot{U}/U_{rms}=13$ dB)	
Average input power	≤ 7 kW BN 576046A0010 ≤ 15 kW BN 576047A0010 ≤ 15 kW BN 576048A0010 ≤ 15 kW BN 576049A0020		≤ 7 kW BN 576046A0010 ≤ 15 kW BN 576047A0010 ≤ 15 kW BN 576048A0010 ≤ 15 kW BN 576049A0020	
Tuning instruction	AS4056		AS4057	
Insertion loss & mask filtering (alternative tuning on request)		470 MHz 860 MHz		470 MHz 803 MHz
	f_0	≤ 0.25 dB ≤ 0.3 dB	f_0	≤ 0.3 dB ≤ 0.35 dB
	$f_0 \pm 3.885$	≤ 0.25 dB ≤ 0.3 dB	$f_0 \pm 2.79$	≤ 0.3 dB ≤ 0.35 dB
	$f_0 \pm 12$	≥ 30 dB	$f_0 \pm 9$	≥ 30 dB
Group delay variation	$\Delta\tau \leq 40$ ns		$\Delta\tau \leq 40$ ns	
Wideband input	4 1/2" EIA male	3 1/8" EIA male	4 1/2" EIA male	52-120 BT male
Average input power	≤ 33 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)			
Output	4 1/2" EIA male	3 1/8" EIA male	4 1/2" EIA male	52-120 BT male
Peak output voltage	≤ 15.5 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	≈ 120 kg	≈ 115 kg	≈ 125 kg	≈ 180 kg
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.			