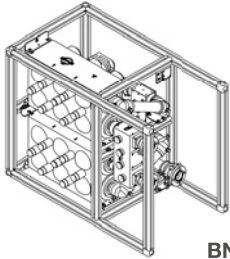
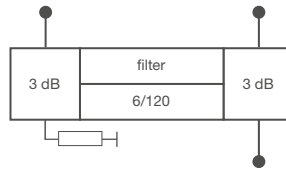
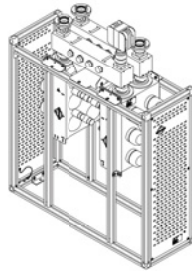


CCS UHF CIB Combiners

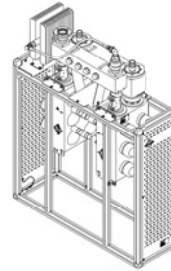
- **CCS** compact design
- Integrated mask filters for DTV
- Adjacent channel operation
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated
- Tuneable within the whole UHF range



BN 578011A0070



BN 576012A0040



BN 576013A0040

Part Number/Size	BN 578011A0070 19"	BN 576012A0030 700 BN 576012A0040 900	BN 576013A0030 700 BN 576013A0040 900
Frequency range	470 - 800 MHz		
Channel spacing	≥ 0		
Narrowband input	1 5/8" EIA		
Filter type integrated cavities/size	6/120 ≡ BN 616663		
Temperature stability	≤ 2 kHz / K		
Harmonics attenuation	≥ 50 dB for f ≤ 1100 MHz		
DTV mask filtering	DVB-T @ 8 MHz ($\dot{U}/U_{rms}=13$ dB)	ISDB-T @ 6 MHz ($\dot{U}/U_{rms}=13$ dB)	ATSC 1.0 @ 6 MHz ($\dot{U}/U_{rms}=11$ dB)
Average input power	≤ 3.2 kW	≤ 2.6 kW	≤ 2.6 kW
Tuning instruction	AS6224	AS6229	AS6228
Insertion loss & mask filtering (alternative tuning on request)	470 MHz 860 MHz	470 MHz 803 MHz	470 MHz 803 MHz
	f_0 ≤ 0.4 dB ≤ 0.5 dB	f_0 ≤ 0.45 dB ≤ 0.6 dB	f_0 ≤ 0.50 dB ≤ 0.65 dB
	$f_0 \pm 3.805$ ≤ 0.9 dB ≤ 1.2 dB	$f_0 \pm 2.79$ ≤ 1.20 dB ≤ 1.5 dB	$f_0 \pm 2.69$ ≤ 0.65 dB ≤ 1.40 dB
	$f_0 \pm 3.885$ ≤ 1.0 dB ≤ 1.4 dB	$f_0 \pm 3.0$ ≥ 3 dB	$f_0 \pm 3.5$ ≥ 3 dB
	$f_0 \pm 4.2$ ≥ 4 dB	$f_0 \pm 3.15$ ≥ 5 dB	$f_0 \pm 4$ ≥ 8 dB
	$f_0 \pm 6$ ≥ 20 dB	$f_0 \pm 4.5$ ≥ 17 dB	$f_0 \pm 6$ ≥ 30 dB
	$f_0 \pm 12$ ≥ 40 dB	$f_0 \pm 9$ ≥ 38 dB $f_0 \pm 15$ ≥ 48 dB	$f_0 \pm 9$ ≥ 65 dB
Group delay variation	$\Delta\tau \leq 350$ ns	$\Delta\tau \leq 450$ ns	$\Delta\tau \leq 250$ ns
Wideband input	1 5/8" EIA		3 1/8" EIA male
Average input power	≤ 7 kW		≤ 17.5 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	1 5/8" EIA		3 1/8" EIA male
Peak output voltage	≤ 8.5 kV		≤ 12.5 kV
Average output power	≤ 7 kW		-
Isolation between inputs	≥ 35 dB		
VSWR (one WB channel)	≤ 1.06		
Dimensions (L x W x H) mm	800 x 448 x 617	BN 576012A0030, BN 576013A0030: 700 x 315 x 1200 BN 576012A0040, BN 576013A0040: 900 x 315 x 1200	
Weight	≈ 70 kg		≈ 80 kg
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		