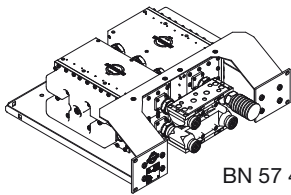
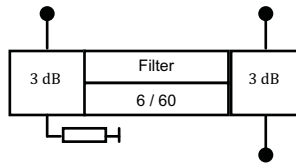
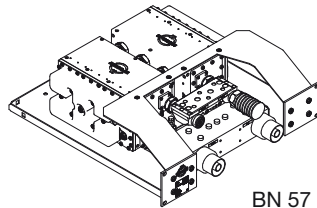


## UHF CIB COMBINERS

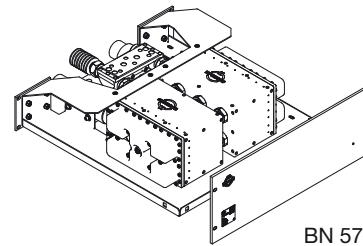
- compact design as 19" slide-in unit
- for 6, 7 and 8 MHz channel bandwidth
- integrated mask filters for DTV
- adjacent channel operation
- temperature compensated
- tuneable within the whole UHF range



BN 57 49 48



BN 57 49 49



BN 57 49 49 C0002

Part number Front plate design	BN 57 49 48 without front plate			BN 57 49 49 without front plate		
	BN 57 49 48 C0002 with front plate and rear side ports			BN 57 49 49 C0002 with front plate and rear side ports		
Frequency range	470 - 860 MHz					
Channel spacing	≥ 0					
Narrow band input	7-16 female					
Filter type integrated cavities/size	6/60 ≡ BN616566					
Temperature stability	≤ 2 kHz / K					
Harmonics attenuation	≥ 50 dB for f ≤ 1200 MHz					
DTV Mask filtering	DVB-T @ 8 MHz (Ü/U <sub>rms</sub> =13 dB)		ISDB-T @ 6 MHz (Ü/U <sub>rms</sub> =13 dB)		ATSC @ 6 MHz (Ü/U <sub>rms</sub> =11 dB)	
Average input power	≤ 750 W		≤ 600 W		≤ 600 W	
Tuning instruction	AS6201		AS6192		AS6257	
Insertion loss & Mask filtering (alternative tuning on request)	470 MHz	860 MHz	470 MHz	803 MHz	470 MHz	803 MHz
	f <sub>0</sub>	≤ 0.55 dB   ≤ 0.65 dB	f <sub>0</sub>	≤ 0.7 dB   ≤ 0.85 dB	f <sub>0</sub>	≤ 0.8 dB   ≤ 1.1 dB
	f <sub>0</sub> ± 3.805	≤ 1.35 dB   ≤ 1.85 dB	f <sub>0</sub> ± 2.79	≤ 1.7 dB   ≤ 2.30 dB	f <sub>0</sub> ± 2.69	≤ 1.5 dB   ≤ 1.8 dB
	f <sub>0</sub> ± 3.885	≤ 1.55 dB   ≤ 2.1 dB	f <sub>0</sub> ± 3.0	≥ 4 dB	f <sub>0</sub> ± 3.0	≤ 2.7 dB   ≤ 2.8 dB
	f <sub>0</sub> ± 4.2	≥ 4 dB	f <sub>0</sub> ± 3.15	≥ 8 dB	f <sub>0</sub> ± 3.25	≥ 4 dB
	f <sub>0</sub> ± 6	≥ 20 dB	f <sub>0</sub> ± 4.5	≥ 23 dB	f <sub>0</sub> ± 4	≥ 15 dB
	f <sub>0</sub> ± 12	≥ 40 dB	f <sub>0</sub> ± 9	≥ 48 dB	f <sub>0</sub> ± 6	≥ 40 dB
			f <sub>0</sub> ± 15	≥ 50 dB	f <sub>0</sub> ± 9	≥ 65 dB
Group delay variation	Δτ ≤ 350 ns		Δτ ≤ 350 ns		Δτ ≤ 200 ns	
Wide band input	7-16 female			1 5/8" SMS unflanged		
Average input power	≤ 1 kW			≤ 4 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					
	≤ 0.1 dB (non adjacent)					
Output	7-16 female			1 5/8" SMS unflanged		
Peak output voltage	≤ 1.6 kV			≤ 6 kV		
Isolation between inputs	≥ 35 dB					
VSWR (one WB channel)	≤ 1.06					
Dimensions (L x W x H) mm	482 x 483 x 177 (4RU)			510 x 483 x 177 (4RU)		
Weight	≈ 17 kg			≈ 20 kg		
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“					