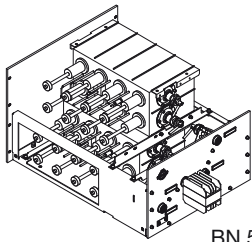
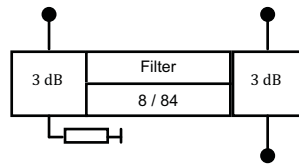
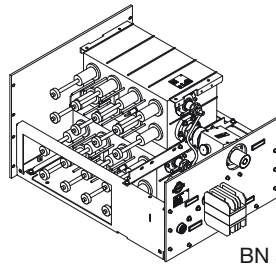


UHF CIB COMBINERS

- compact design as 19" slide-in unit
- 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 57 46 43 C0002



BN 57 49 44 C0002

Part number Front plate design	BN 57 46 43 C0001 with ports at front plate		BN 57 49 44 C0001 with ports at front plate			
	BN 57 46 43 C0002 with ports at rear side		BN 57 49 44 C0002 with ports at rear side			
Frequency range	470 - 860 MHz					
Channel spacing	≥ 0					
Narrow band input	7-16 female					
Filter type integrated cavities/size	8/84 ≡ BN616403					
Temperature stability	≤ 2 kHz / K					
Harmonics attenuation	≥ 50 dB for f ≤ 950 MHz					
DTV Mask filtering	DVB-T @ 8 MHz ( $\hat{U}/U_{rms}=13$ dB)	ISDB-T @ 6 MHz ( $\hat{U}/U_{rms}=13$ dB)	ATSC @ 6 MHz ( $\hat{U}/U_{rms}=11$ dB)			
Average input power	≤ 1.5 kW		≤ 1.2 kW			
Tuning instruction	AS8068		AS8091			
Insertion loss & Mask filtering (alternative tuning on request)	470 MHz	860 MHz	470 MHz	803 MHz	470 MHz	803 MHz
	$f_0$	≤ 0.6 dB    ≤ 0.75 dB	$f_0$	≤ 0.7 dB    ≤ 1.3 dB	$f_0$	≤ 0.9 dB    ≤ 1.3 dB
	$f_0 \pm 3.805$	≤ 1.8 dB    ≤ 2.2 dB	$f_0 \pm 2.79$	≤ 1.8 dB    ≤ 3.1 dB	$f_0 \pm 2.69$	≤ 1.9 dB    ≤ 2.7 dB
	$f_0 \pm 3.885$	≤ 2.1 dB    ≤ 2.6 dB	$f_0 \pm 3.15$	≥ 15 dB	$f_0 \pm 3.0$	≤ 3 dB
	$f_0 \pm 4.2$	≥ 15 dB	$f_0 \pm 4.5$	≥ 30 dB	$f_0 \pm 3.25$	≥ 18 dB
	$f_0 \pm 6$	≥ 40 dB	$f_0 \pm 9$	≥ 55 dB	$f_0 \pm 9$	≥ 64 dB
$f_0 \pm 12$	≥ 55 dB					
Group delay variation	$\Delta\tau \leq 600$ ns		$\Delta\tau \leq 500$ ns		$\Delta\tau \leq 400$ ns	
Wide band input	7-16 female		1 5/8" SMS unflanged			
Average input power	≤ 1 kW		≤ 7 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			
Average output power	-		≤ 7 kW			
Peak output voltage	≤ 1.6 kV		≤ 8.5 kV			
Isolation between inputs	≥ 35 dB					
VSWR (one WB channel)	≤ 1.06					
Dimensions (L x W x H) mm	726 x 483 x 355 (8RU)					
Weight	≈ 35 kg		≈ 38 kg			
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“					