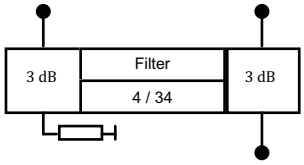
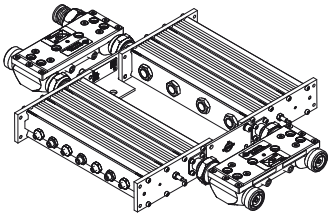
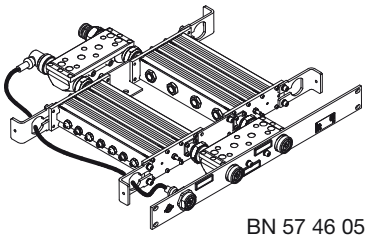
UHF CIB COMBINERS

- 1 RU compact design as 19” slide-in unit
- suitable for analogue and digital TV
- tuneable within the whole UHF range
- for 6, 7 and 8 MHz channel bandwidth
- temperature compensated
- wall mount available

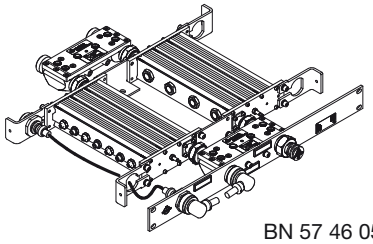




BN 57 46 05



BN 57 46 05 C0001



BN 57 46 05 C0002

Part number Front plate design	**BN 57 46 05** without front plate	**BN 57 46 05 C0001** ports at front side	**BN 57 46 05 C0002** ports at rear side
Frequency range	470 - 860 MHz		
Channel spacing	≥ 1		
Narrow band input	7-16 female		
Filter type integrated cavities/size	**4/34 ≡ BN 616507**		
Temperature stability	≤ 10 kHz / K		
Harmonics attenuation	≥ 50 dB for f ≤ 1500 MHz		
DTV mask filtering	no		
Channel width	8 MHz ($\hat{U}/U_{rms}$=13 dB)	7 MHz ($\hat{U}/U_{rms}$=13 dB)	6 MHz ($\hat{U}/U_{rms}$=11 dB)
Average input power	**≤ 100 W**	**≤ 90 W**	**≤ 80 W**
Tuning instruction	AS4054	AS4046	AS4029
Insertion loss & Mask filtering (alternative tuning on request)	470 MHz / 860 MHz f_0 ≤ 0.8 dB / ≤ 0.7 dB $f_0 \pm 3.805$ ≤ 0.9 dB / ≤ 0.8 dB $f_0 \pm 3.885$ ≤ 0.9 dB / ≤ 0.8 dB $f_0 \pm 12$ ≥ 17 dB	470 MHz / 803 MHz f_0 ≤ 0.85 dB / ≤ 0.75 dB $f_0 \pm 3.2$ ≤ 0.95 dB / ≤ 0.85 dB $f_0 \pm 10.5$ ≥ 20 dB	470 MHz / 803 MHz f_0 ≤ 0.9dB / ≤ 0.8 dB $f_0 \pm 2.885$ ≤ 1.0 dB / ≤ 0.9 dB $f_0 \pm 9$ ≤ 25 dB
Group delay variation	Δτ ≤ 100 ns	Δτ ≤ 65 ns	Δτ ≤ 30 ns
Wide band input	7-16 female		
Average input power	600 W Attention: The power at the wide band input must be reduced by 50 % of the power fed into the narrow band input		
DTV Mask filtering Insertion loss	no ≤ 0.1 dB (non adjacent)		
Output	7-16 female		
Peak output voltage	1.6 kV		
Isolation between inputs	≥ 35 dB		
VSWR (one WB channel)	≤ 1.1		
Dimensions (L x W x H) mm	471 x 483 x 45 (1RU)		
Weight	≈ 5.5 kg		
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“		

Data subject to change without notice – Edition E