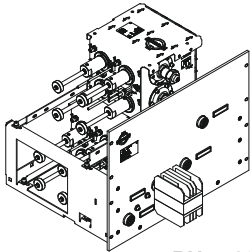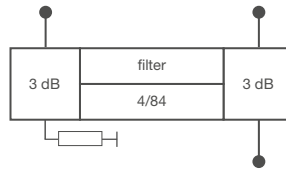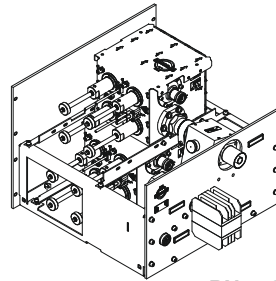# UHF CIB Combiners

- Compact design as 19" slide-in unit
- Suitable for analogue and digital TV
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated
- Tuneable within the whole UHF range

BN 578036C0001

BN 578037C0002

Part Number Front Plate Design	BN 578036C0001 With Ports at Front Plate BN 578036C0002 With Ports at Rear Side	BN 578037C0001 With Ports at Front Plate BN 578037C0002 With Ports at Rear Side
Frequency range	470 - 800 MHz	
Channel spacing	≥ 1	
Narrowband input	7-16 female	
Filter type integrated cavities/size	**4/84 ≡ BN 616400**	
Temperature stability	≤ 2 kHz / K	
Harmonics attenuation	≥ 45 dB for f ≤ 950 MHz	
DTV mask filtering	No	
Channel width	8 MHz ($\hat{U}/U_{rms}$=13 dB)	6 MHz ($\hat{U}/U_{rms}$=13 dB)
Average input power	**≤ 1.5 kW**	**≤ 1.5 kW**
Tuning instruction	AS4055	AS4038
Insertion loss (alternative tuning on request)	470 MHz 860 MHz f_0 ≤ 0.40 dB ≤ 0.45 dB $f_0 \pm 3.805$ ≤ 0.50 dB ≤ 0.60 dB $f_0 \pm 3.885$ ≤ 0.50 dB ≤ 0.60 dB $f_0 \pm 12$ ≥ 28 dB	470 MHz 860 MHz f_0 ≤ 0.45 dB ≤ 0.55 dB $f_0 \pm 3$ ≤ 0.60 dB ≤ 0.75 dB $f_0 \pm 9$ ≥ 30 dB
Group delay variation	$\Delta\tau \le 90$ ns	$\Delta\tau \le 100$ ns
Wideband input	7-16 female	1 5/8" SMS unflanged
Average input power	**≤ 1.1 kW**	**≤ 7 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	7-16 female	1 5/8" SMS unflanged
Average output power	-	≤ 7 kW
Peak output voltage	≤ 2.8 kV	≤ 8.5 kV
Isolation between inputs	≥ 35 dB	
VSWR (one WB channel)	≤ 1.06	
Dimensions (L x W x H) mm	503 x 483 x 355 (8RU)	560 x 483 x 355 (8RU)
Weight	≈ 20 kg	≈ 25 kg
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products".	