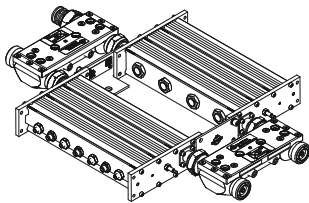
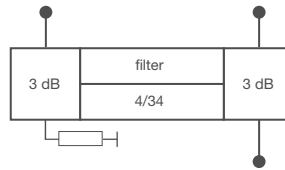
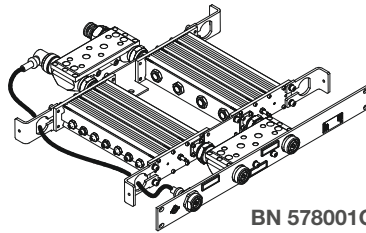


## UHF CIB Combiners

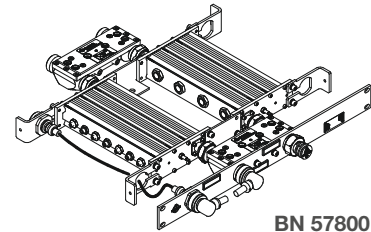
- 1 RU compact design as 19" slide-in unit
- Suitable for analogue and digital TV
- Tuneable within the whole UHF range
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated
- Wall mount available



BN 578001



BN 578001C0001



BN 578001C0002

Multi Channel  
Combiners

Part Number Front Plate Design	BN 578001 Without Front Plate	BN 578001C0001 Ports at Front Side	BN 578001C0002 Ports at Rear Side
Frequency range	470 - 800 MHz		
Channel spacing	≥ 1		
<b>Narrowband input</b>	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	470 MHz 803 MHz	470 MHz 803 MHz
$f_0$	≤ 0.8 dB ≤ 0.7 dB	$f_0$ ≤ 0.85 dB ≤ 0.75 dB	$f_0$ ≤ 0.9 dB ≤ 0.8 dB
$f_0 \pm 3.805$	≤ 0.9 dB ≤ 0.8 dB	$f_0 \pm 3.2$ ≤ 0.95 dB ≤ 0.85 dB	$f_0 \pm 2.885$ ≤ 1.0 dB ≤ 0.9 dB
$f_0 \pm 3.885$	≤ 0.9 dB ≤ 0.8 dB	$f_0 \pm 10.5$ ≥ 20 dB	$f_0 \pm 9$ ≤ 25 dB
$f_0 \pm 12$	≥ 17 dB		
Group delay variation	$\Delta\tau \leq 100$ ns	$\Delta\tau \leq 65$ ns	$\Delta\tau \leq 30$ ns
<b>Wideband input</b>	7-16 female		
Average input power	600 W		
	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)		
<b>Output</b>	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“.		