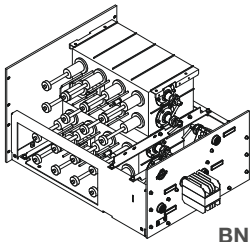
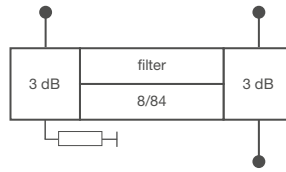
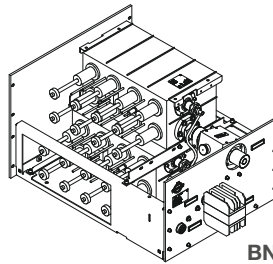


## UHF CIB Combiners

- 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 578040C0002



BN 578041C0002

Part Number Front Plate Design	BN 578040C0001 With Ports at Front Plate		BN 578041C0001 With Ports at Front Plate						
	BN 578040C0002 With Ports at Rear Side		BN 578041C0002 With Ports at Rear Side						
Frequency range	470 - 800 MHz								
Channel spacing	≥ 0								
<b>Narrowband input</b>	7-16 female								
Filter type integrated cavities/size	8/84 ≡ BN 616403								
Temperature stability	≤ 2 kHz / K								
Harmonics attenuation	≥ 50 dB for f ≤ 950 MHz								
DTV mask filtering	DVB-T @ 8 MHz ( $\dot{U}/U_{rms}=13$ dB)	ISDB-T @ 6 MHz ( $\dot{U}/U_{rms}=13$ dB)	ATSC 1.0 @ 6 MHz ( $\dot{U}/U_{rms}=11$ dB)						
Average input power	≤ 1.5 kW	≤ 1.2 kW	≤ 1.2 kW						
Tuning instruction	AS8068	AS8091	AS8051						
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				
<b>Wideband input</b>	7-16 female		1 5/8" SMS unflanged						
Average input power	≤ 1.1 kW		≤ 7 kW						
DTV mask filtering	No								
Insertion loss	≤ 0.1 dB (non adjacent)								
<b>Output</b>	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	600 x 483 x 355								
Weight	≈ 35 kg		≈ 40 kg						
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.								