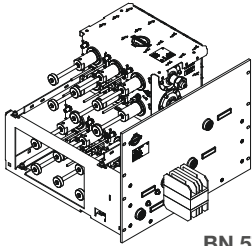
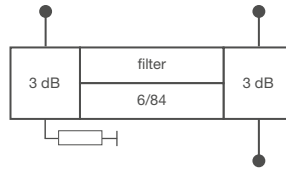
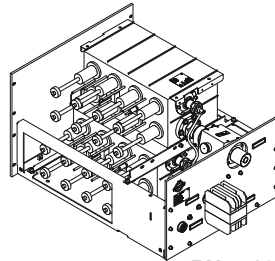


UHF CIB Combiners

- 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 578038C0001



BN 578039C0002

Part Number Front Plate Design	BN 578038C0001 With Ports at Front Plate		BN 578039C0001 With Ports at Front Plate						
	BN 578038C0002 With Ports at Rear Side		BN 578039C0002 With Ports at Rear Side						
Frequency range	470 - 800 MHz								
Channel spacing	≥ 0								
Narrowband input	7-16 female								
Filter type integrated cavities/size	6/84 ≡ BN 616402								
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	AS6186	AS6182	AS6156						
Insertion loss & mask filtering (alternative tuning on request)	470 MHz	860 MHz	470 MHz	803 MHz	470 MHz	803 MHz			
	f_0	≤ 0.5 dB	≤ 0.6 dB	f_0	≤ 0.6 dB	≤ 0.8 dB	f_0	≤ 0.7 dB	≤ 0.9 dB
	$f_0 \pm 3.805$	≤ 1.2 dB	≤ 1.5 dB	$f_0 \pm 2.79$	≤ 1.6 dB	≤ 2.2 dB	$f_0 \pm 2.69$	≤ 1.1 dB	≤ 1.55 dB
	$f_0 \pm 3.885$	≤ 1.3 dB	≤ 1.6 dB	$f_0 \pm 3.0$	≥ 4 dB		$f_0 \pm 3.0$	≤ 1.9 dB	≤ 2.45 dB
	$f_0 \pm 4.2$	≥ 4 dB		$f_0 \pm 3.15$	≥ 8 dB		$f_0 \pm 3.25$	≥ 4 dB	
	$f_0 \pm 6$	≥ 20 dB		$f_0 \pm 4.5$	≥ 24 dB		$f_0 \pm 3.5$	≥ 8 dB	
	$f_0 \pm 12$	≥ 40 dB		$f_0 \pm 9$	≥ 48 dB		$f_0 \pm 4$	≥ 15 dB	
				$f_0 \pm 15$	≥ 50 dB		$f_0 \pm 6$	≥ 40 dB	
						$f_0 \pm 9$	≥ 65 dB		
Group delay variation	$\Delta\tau \leq 330$ ns		$\Delta\tau \leq 500$ ns		$\Delta\tau \leq 200$ 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	586 x 483 x 355 (8RU)								
Weight	≈ 30 kg		≈ 32 kg						
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.								