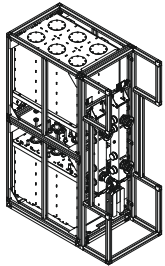
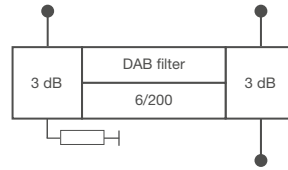
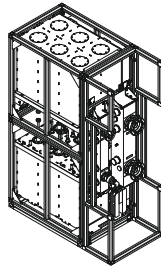


Band 3 DAB CIB Combiners

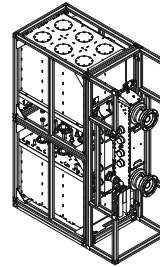
- Compact design
- For 1.54 MHz block width
- Integrated mask filters for DAB and T-DMB
- Adjacent block operation
- Temperature compensated
- Filters with cross coupling (notch function)



BN 576810



BN 576811



BN 576812

Multi Channel Combiners

Part Number Cooling	BN 576810 Natural cooling	BN 576811 Natural cooling	BN 576812 Natural cooling
Frequency range	174 - 240 MHz		
Block spacing	≥ 0		
Narrowband input	1 5/8" EIA		
Filter type integrated cavities/size	6/200 ≡ BN 617166		
Temperature stability	≤ 1 kHz / K		
Harmonics attenuation	≥ 50 dB for f < 500 MHz		
DAB and T-DMB mask filtering	DAB / T-DMB @ 1.54 MHz ($\dot{U}/U_{rms}=13$ dB)		
Average input power	≤ 6.0 kW		
Tuning instruction	AS6087		
Insertion loss & mask filtering (alternative tuning on request)	$f_0 \leq 0.6$ dB $f_0 \pm 0.77 \leq 1.4$ dB $f_0 \pm 0.97 \geq 15$ dB $f_0 \pm 1.15 \geq$ n.d. $f_0 \pm 1.75 \geq 45$ dB $f_0 \pm 2.20 \geq 50$ dB $f_0 \pm 3.00 \geq 50$ dB		
Group delay variation	$\Delta\tau \leq 1200$ ns		
Wideband input	1 5/8" EIA	3 1/8" EIA	4 1/2" EIA
Average input power	≤ 14 kW	≤ 30 kW	≤ 60 kW
	Attention: The power at the wideband input must be reduced by 50 % of the power fed into the narrowband input.		
Mask filtering	No		
Insertion loss	≤ 0.1 dB (non adjacent)		
Output	1 5/8" EIA	3 1/8" EIA	4 1/2" EIA
Peak output voltage	≤ 7.7 kV	≤ 12.7 kV	≤ 15.5 kV
Average output power	≤ 13.5 kW	-	-
Isolation between inputs	≥ 35 dB		
VSWR	≤ 1.1		
Dimensions (L x W x H) mm	1080 x 520 x 1420 + 50 mm bottom frame		
Weight	≈ 230 kg		
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		