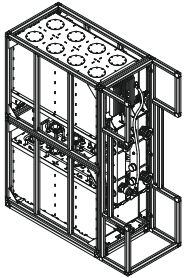
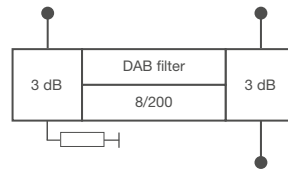
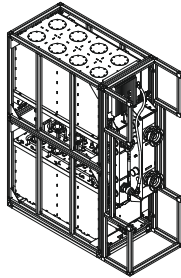


Band 3 DAB CIB Combiners

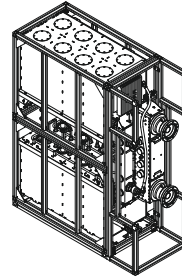
- Compact design
- For 1.54 MHz block width
- Integrated mask filters for DAB and T-DMB
- Adjacent block operation
- Temperature compensated
- Filters with cross coupling (notch function)



BN 576823



BN 576824



BN 576825

Multi Channel Combiners

Part Number Cooling	BN 576823 Liquid cooling	BN 576824 Liquid cooling	BN 576825 Liquid cooling
Frequency range	174 - 240 MHz		
Block spacing	≥ 0		
Narrowband input	1 5/8" EIA		
Filter type integrated cavities/size	8/200 ≡ BN 617168		
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	≤ 11.0 kW @ 0 – 500m		
Tuning instruction	AS8180		
Insertion loss & mask filtering (alternative tuning on request)	$f_0 \leq 0.7$ dB $f_0 \pm 0.77 \leq 1.45$ dB $f_0 \pm 0.97 \geq 28$ dB $f_0 \pm 1.15 \geq$ n.d. $f_0 \pm 1.75 \geq 61$ dB $f_0 \pm 2.20 \geq 69$ dB $f_0 \pm 3.00 \geq 70$ 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	1200 x 520 x 1420 + 50 mm bottom frame		
Weight	≈ 285 kg		
Liquid cooling interface	Stainless steel tube 12 x 1 mm ending horizontally at the bottom frame		
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		