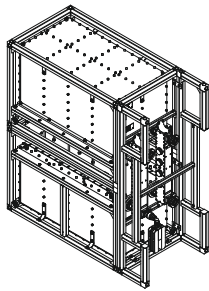
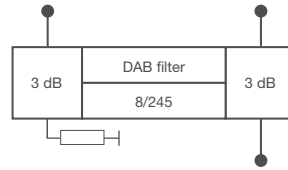
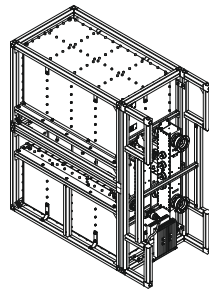


Band 3 DAB CIB Combiners

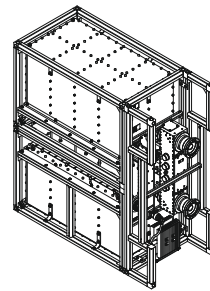
- Compact design
- For 1.54 MHz block width
- Integrated mask filters for DAB and T-DMB
- Adjacent block operation
- Temperature compensated
- Filters with cross coupling (notch function)



BN 576880



BN 576881



BN 576882

Multi Channel Combiners

Part Number	BN 576880 Natural cooling	BN 576881 Natural cooling	BN 576882 Natural cooling
Frequency range	174 - 240 MHz		
Block spacing	≥ 0		
Narrowband input	1 5/8" EIA		
Filter type integrated cavities/size	8/245 ≡ BN 617148		
Temperature stability	≤ 1 kHz / K		
Harmonics attenuation	≥ 50 dB for f < 460 MHz ≥ 40 dB for 460 - 480 MHz		
DAB and T-DMB mask filtering	DAB / T-DMB @ 1.54 MHz (\dot{U}/U_{rms} = 13 dB)		
Average input power	≤ 10 kW		
Tuning instruction	AS8164		
Insertion loss & mask filtering (alternative tuning on request)	$f_0 \leq 0.65$ dB $f_0 \pm 0.77 \leq 1.45$ dB $f_0 \pm 0.97 \leq 8$ dB $f_0 \pm 1.75 \leq 50$ dB $f_0 \pm 2.20 \leq 70$ dB $f_0 \pm 3.00 \leq 70$ 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	1455 x 670 x 1530		
Weight	≈ 360 kg		
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		