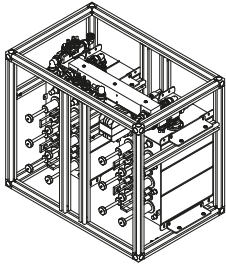
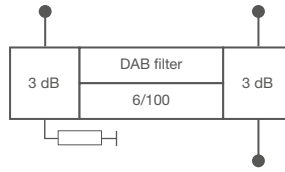
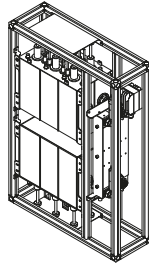


## Band 3 DAB CIB Combiners

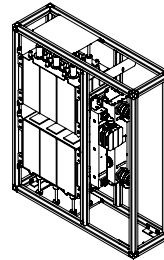
- Compact design
- For 1.54 MHz block width
- Integrated mask filters for DAB and T-DMB
- Adjacent block operation
- Temperature compensated
- Filters with cross coupling (notch function)



BN 574929



BN 574969



BN 574997

Part Number	BN 574929 19" Design	BN 574969 CCS Design	BN 574997 CCS Design
Frequency range		170 - 240 MHz	
Block spacing		≥ 0	
<b>Narrowband input</b>		7-16 female	
Filter type integrated cavities/size		<b>6/100 ≡ BN 617116</b>	
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 ( $\hat{U}/U_{rms}=13$ dB)	
Average input power		≤ <b>1.2 kW</b>	
Tuning instruction		AS6033	
Insertion loss & mask filtering (alternative tuning on request)		$f_0$ ≤ 1.0 dB $f_0 \pm 0.77$ ≤ 2.3 dB $f_0 \pm 0.97$ ≥ 15 dB $f_0 \pm 1.75$ ≥ 45 dB $f_0 \pm 2.2$ ≥ 53 dB $f_0 \pm 3.0$ ≥ 53 dB	
Group delay variation		$\Delta\tau \leq 1200$ ns	
<b>Wideband input</b>	7-16 female		1 5/8" EIA
Average input power	≤ <b>3 kW</b>		≤ <b>8 kW</b>
	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)	
<b>Output</b>	7-16 female		1 5/8" EIA
Peak output voltage	≤ 3.2 kV		≤ 7.8 kV
Isolation between inputs		≥ 35 dB	
VSWR		≤ 1.1	
Dimensions (L x W x H) mm	690 x 448 x 600	660 x 220 x 943	800 x 260 x 943
Weight		≈ 70 kg	
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		