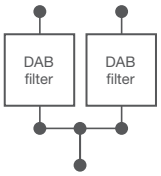
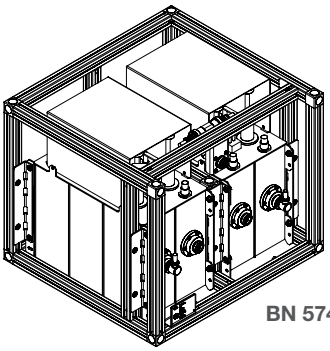
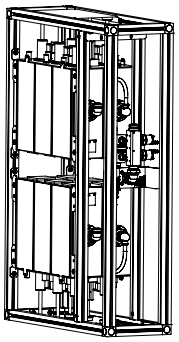
Band 3 DAB Starpoint Combiners



- Compact design
- For 1.54 MHz block width
- Integrated mask filters for DAB and T-DMB
- Temperature compensated



BN 574904



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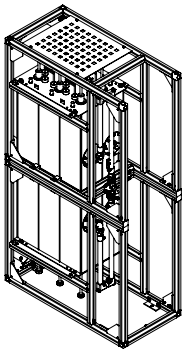

BN 574680

Part Number	BN 574904	BN 574904A0000	BN 574617	BN 574680
Frequency range	174 - 240 MHz			
Block spacing	≥ 1			
Narrowband inputs	7-16 female			
Filter type integrated cavities/size	**6/100 ≡ BN 617116 with cross coupling**		**6/150 ≡ BN 617171 without cross coupling**	**6/150 ≡ BN 617144 with cross coupling**
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	**≤ 600 W**		**≤ 1.5 kW**	**≤ 1.6 kW**
Tuning instruction	AS6033		AS6010	AS6137
Insertion loss & mask filtering (alternative tuning on request)	f_0 ≤ 1.0 dB f_0 ± 0.77 ≤ 2.3 dB f_0 ± 0.97 ≥ 15 dB f_0 ± 1.75 ≥ 45 dB f_0 ± 2.2 ≥ 53 dB f_0 ± 3.0 ≥ 53 dB		f_0 ≤ 1.0 dB f_0 ± 0.77 ≤ 1.6 dB f_0 ± 0.97 ≥ 8 dB f_0 ± 1.75 ≥ 43 dB f_0 ± 2.2 ≥ 53 dB f_0 ± 3.0 ≥ 73 dB	f_0 ≤ 0.75 dB f_0 ± 0.77 ≤ 1.6 dB f_0 ± 0.97 ≥ 15 dB f_0 ± 1.75 ≥ 45 dB f_0 ± 2.2 ≥ 58 dB f_0 ± 3.0 ≥ 52 dB
Group delay variation	Δτ ≤ 1200 ns		Δτ ≤ 700 ns	Δτ ≤ 1000 ns
Output	7-16 female			
Isolation between inputs	≥ 35 dB			
VSWR	≤ 1.2			
Dimensions (L x W x H) mm	550 x 448 x 500	660 x 220 x 950	800 x 390 x 1420	
Weight	≈ 55 kg		≈ 90 kg	
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.			