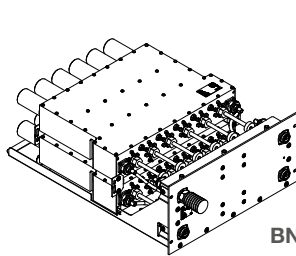
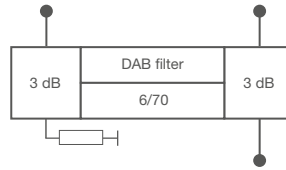
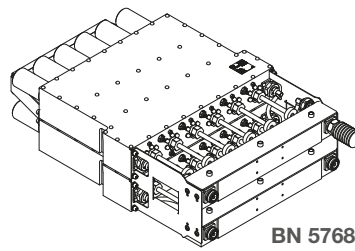


Band 3 DAB CIB Combiners

- Compact 19" 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 576804



BN 576850

Multi Channel Combiners

Part Number	BN 576804	BN 576804C0001	BN 576850	BN 576850C0001
Frequency range	174 - 240 MHz			
Block spacing	≥ 0			
Narrowband input	7-16 female			
Filter type integrated cavities/size	6/70 ≡ BN 617129		6/70 ≡ BN 617149	
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	≤ 400 W	≤ 400 W	≤ 600 W
Tuning instruction	AS6547		AS6600	
Insertion loss & mask filtering (alternative tuning on request)	174 MHz 240 MHz f_0 ≤ 1.55 dB ≤ 1.80 dB $f_0 \pm 0.77$ ≤ 3.60 dB ≤ 4.10 dB $f_0 \pm 0.97$ ≥ 15.0 dB $f_0 \pm 1.75$ ≥ 45.0 dB $f_0 \pm 2.2$ ≥ 50.0 dB $f_0 \pm 3.0$ ≥ 55.0 dB		174 MHz 240 MHz f_0 ≤ 1.35 dB ≤ 1.60 dB $f_0 \pm 0.77$ ≤ 3.60 dB ≤ 4.10 dB $f_0 \pm 0.97$ ≥ 15.0 dB $f_0 \pm 1.75$ ≥ 45.0 dB $f_0 \pm 2.2$ ≥ 50.0 dB $f_0 \pm 3.0$ ≥ 55.0 dB	
Group delay variation	$\Delta\tau \leq 1200$ ns			
Wideband input	7-16 female			
Average input power	≤ 1.5 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	7-16 female			
Peak output voltage	≤ 2.8 kV			
Isolation between inputs	≥ 35 dB		≥ 35 dB	
VSWR	≤ 1.1		≤ 1.1	
Dimensions (L x W x H) mm	630 x 484 x 220	665 x 484 x 176		630 x 484 x 220
Weight	≈ 40 kg			
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.			