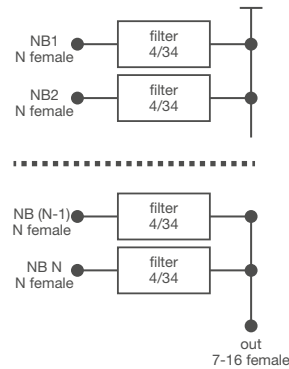


UHF Low-Power Manifold Combiners

- 4 RU compact design as 19" slide-in unit
- Suitable for analogue and digital TV
- Applicable within the whole UHF range
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated



Typical design



Multi Channel Combiners

Part Number	BN 574582 2 Inputs		BN 574583 3 Inputs		BN 574584 4 Inputs		BN 574585 5 Inputs	
Frequency range	470 - 860 MHz							
Channel spacing	≥ 2 (1 channel available on request)							
Narrowband input	N female							
Filter type integrated cavities/size	4/34 ≡ BN 616507							
Temperature stability	≤ 10 kHz / K							
Harmonics attenuation	≥ 50 dB for f ≤ 1500 MHz							
DTV mask filtering	No							
Average input power/channel width	50 W per input / 8 MHz 45 W per input / 7 MHz 40 W per input / 6 MHz							
Insertion loss (varying with sequence) AS4054 for 8 MHz (Û/U _{rms} =13 dB)	f ₀ 0.7 - 0.85 dB	f ₀ 0.7 - 0.9 dB	f ₀ 0.7 - 1.0 dB	f ₀ 0.7 - 1.1 dB	f ₀ 0.7 - 1.1 dB	f ₀ 0.7 - 1.1 dB	f ₀ 0.7 - 1.1 dB	f ₀ 0.7 - 1.1 dB
	f ₀ ± 3.885 0.8 - 0.95 dB	f ₀ ± 3.885 0.8 - 1.0 dB	f ₀ ± 3.885 0.8 - 1.1 dB	f ₀ ± 3.885 0.8 - 1.2 dB	f ₀ ± 3.885 0.8 - 1.2 dB	f ₀ ± 3.885 0.8 - 1.2 dB	f ₀ ± 3.885 0.8 - 1.2 dB	f ₀ ± 3.885 0.8 - 1.2 dB
	f ₀ ± 12.0 ≥ 17 dB	f ₀ ± 12.0 ≥ 17 dB	f ₀ ± 12.0 ≥ 17 dB	f ₀ ± 12.0 ≥ 17 dB	f ₀ ± 12.0 ≥ 17 dB	f ₀ ± 12.0 ≥ 17 dB	f ₀ ± 12.0 ≥ 17 dB	f ₀ ± 12.0 ≥ 17 dB
Group delay variation	Δτ ≤ 100 ns							
Insertion loss (varying with sequence) AS4046 for 7 MHz (Û/U _{rms} =13 dB)	f ₀ 0.75 - 0.9 dB	f ₀ 0.75 - 0.95 dB	f ₀ 0.75 - 1.05 dB	f ₀ 0.75 - 1.15 dB	f ₀ 0.75 - 1.15 dB	f ₀ 0.75 - 1.15 dB	f ₀ 0.75 - 1.15 dB	f ₀ 0.75 - 1.15 dB
	f ₀ ± 3.325 0.85 - 1.0 dB	f ₀ ± 3.325 0.85 - 1.05 dB	f ₀ ± 3.325 0.85 - 1.15 dB	f ₀ ± 3.325 0.85 - 1.25 dB	f ₀ ± 3.325 0.85 - 1.25 dB	f ₀ ± 3.325 0.85 - 1.25 dB	f ₀ ± 3.325 0.85 - 1.25 dB	f ₀ ± 3.325 0.85 - 1.25 dB
	f ₀ ± 10.5 ≥ 20 dB	f ₀ ± 10.5 ≥ 20 dB	f ₀ ± 10.5 ≥ 20 dB	f ₀ ± 10.5 ≥ 20 dB	f ₀ ± 10.5 ≥ 20 dB	f ₀ ± 10.5 ≥ 20 dB	f ₀ ± 10.5 ≥ 20 dB	f ₀ ± 10.5 ≥ 20 dB
Group delay variation	Δτ ≤ 65 ns							
Insertion loss (varying with sequence) AS4029 for 6 MHz (Û/U _{rms} =11 dB)	f ₀ 0.8 - 0.95 dB	f ₀ 0.8 - 1.0 dB	f ₀ 0.8 - 1.1 dB	f ₀ 0.8 - 1.2 dB	f ₀ 0.8 - 1.2 dB	f ₀ 0.8 - 1.2 dB	f ₀ 0.8 - 1.2 dB	f ₀ 0.8 - 1.2 dB
	f ₀ ± 2.885 0.9 - 1.05 dB	f ₀ ± 2.885 0.9 - 1.1 dB	f ₀ ± 2.885 0.9 - 1.2 dB	f ₀ ± 2.885 0.9 - 1.3 dB	f ₀ ± 2.885 0.9 - 1.3 dB	f ₀ ± 2.885 0.9 - 1.3 dB	f ₀ ± 2.885 0.9 - 1.3 dB	f ₀ ± 2.885 0.9 - 1.3 dB
	f ₀ ± 9.0 ≥ 25 dB	f ₀ ± 9.0 ≥ 25 dB	f ₀ ± 9.0 ≥ 25 dB	f ₀ ± 9.0 ≥ 25 dB	f ₀ ± 9.0 ≥ 25 dB	f ₀ ± 9.0 ≥ 25 dB	f ₀ ± 9.0 ≥ 25 dB	f ₀ ± 9.0 ≥ 25 dB
Group delay variation	Δτ ≤ 30 ns							
Output	7-16 female							
Peak output voltage	≤ 2 kV							
Isolation between inputs	≥ 25 dB							
VSWR (one WB channel)	≤ 1.2							
Dimensions (L x W x H) mm	340 x 483 x 177 (4RU)							
Weight	≈ 5 kg	≈ 8 kg	≈ 9 kg	≈ 9 kg	≈ 9 kg	≈ 9 kg	≈ 10 kg	≈ 10 kg
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.							