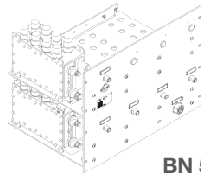
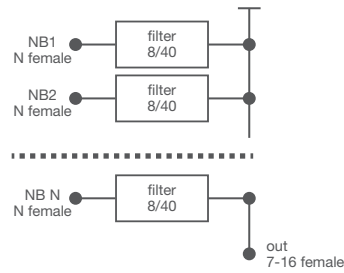


UHF Manifold Combiners

- Compact design as 19" slide-in unit
- Integrated mask filters for DTV
- Applicable within the whole UHF range
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated



BN 575585

Part Number	BN 575585 - 5 Inputs	BN 575586 - 6 Inputs	BN 575587 - 7 Inputs	BN 575588 - 8 Inputs
Frequency range	470 - 860 MHz			
Narrowband input	N female			
Filter type integrated cavities/size	8/40 ≡ BN 616661			
Temperature stability	≤ 2 kHz / K			
Harmonics attenuation	≥ 60 dB for f ≤ 1400 MHz			
Standard	DVB-T @ 8 MHz, (Ū/U _{rms} =13 dB)			
Average input power/channel width	120 W per input for non-adjacent channels or 85 W for adjacent channels			
Channel spacing	≥ 0 (pairs of adjacent channels possible)			
Tuning instruction AS8131	f ₀ 1.4-2.0 dB	f ₀ 1.4-2.1 dB	f ₀ 1.4-2.2 dB	f ₀ 1.4-2.3 dB
Insertion loss for non-adjacent channels	f ₀ ± 3.805 3.8-5.7 dB	f ₀ ± 3.805 3.8-5.8 dB	f ₀ ± 3.805 3.8-5.9 dB	f ₀ ± 3.805 3.8-5.9 dB
	f ₀ ± 3.885 4.6-6.4 dB	f ₀ ± 3.885 4.6-6.5 dB	f ₀ ± 3.885 4.6-6.6 dB	f ₀ ± 3.885 4.6-6.7 dB
Mask filtering	f ₀ ± 4.2 ≥ 15 dB			
	f ₀ ± 6 ≥ 40 dB			
	f ₀ ± 12 ≥ 55 dB			
Group delay variation	Δτ ≤ 650 ns (≤ 800 ns at adjacent channel slopes)			
Isolation between inputs	≥ 35 dB (for adjacent channels: ≥ 30 dB _{rms} in channel and 15 dB at adjacent channel slopes)			
Standard	ISDB-T @ 6 MHz, (Ū/U _{rms} =13 dB)			
Average input power/channel width	100 W per input			
Channel spacing	≥ 1			
Tuning instruction AS8133	f ₀ 1.7-2.2 dB	f ₀ 1.7-2.3 dB	f ₀ 1.7-2.4 dB	f ₀ 1.7-2.5 dB
Insertion loss for non-adjacent channels	f ₀ ± 2.79 4.7-5.6 dB	f ₀ ± 2.79 4.7-5.7 dB	f ₀ ± 2.79 4.7-5.8 dB	f ₀ ± 2.79 4.7-5.9 dB
	f ₀ ± 3.15 ≥ 15 dB			
Mask filtering	f ₀ ± 4.5 ≥ 30 dB			
	f ₀ ± 9 ≥ 55 dB			
	f ₀ ± 15 ≥ 65 dB			
Group delay variation	Δτ ≤ 500 ns			
Isolation between inputs	≥ 35 dB			
Standard	ATSC 1.0 @ 6 MHz, (Ū/U _{rms} =11 dB)			
Average input power/channel width	100 W per input			
Channel spacing	≥ 1			
Tuning instruction AS8132	f ₀ 1.8-2.5 dB	f ₀ 1.8-2.6 dB	f ₀ 1.8-2.7 dB	f ₀ 1.8-2.8 dB
Insertion loss for non-adjacent channels	f ₀ ± 2.69 4.1-5.0 dB	f ₀ ± 2.69 4.1-5.1 dB	f ₀ ± 2.69 4.1-5.2 dB	f ₀ ± 2.69 4.1-5.3 dB
	f ₀ ± 3 ≥ 5 dB			
Mask filtering	f ₀ ± 3.25 ≥ 18 dB			
	f ₀ ± 9 ≥ 64 dB			
Group delay variation	Δτ ≤ 400 ns			
Isolation between inputs	≥ 35 dB			
Output	7-16 female			
Average output power	≤ 600 W			
Peak output voltage	≤ 2 kV			
VSWR	≤ 1.2			
Dimensions (L x W x H) mm	300 x 483 x 355 (8RU)			
Weight	≈ 22 kg	≈ 26 kg	≈ 30 kg	≈ 34 kg
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.			