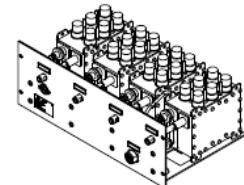
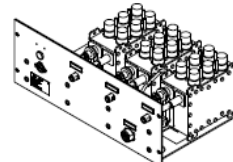
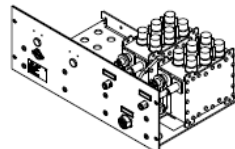
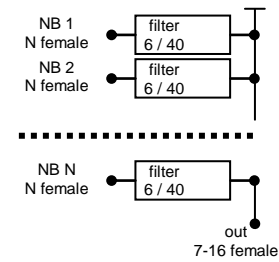


UHF MANIFOLD COMBINERS

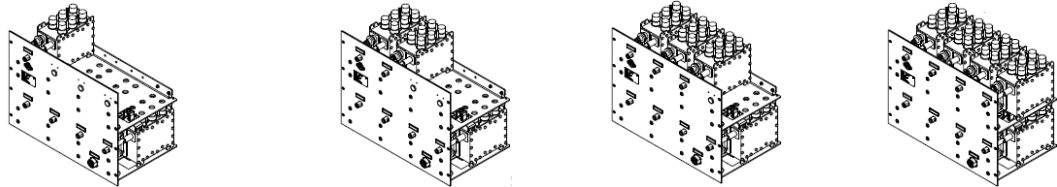
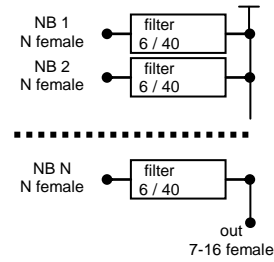
- compact design as 19" slide-in unit
- integrated mask filters for DTV
- applicable within the whole UHF range
- for 6, 7 and 8 MHz channel bandwidth
- temperature compensated



Part number	BN 575562 2 inputs		BN 575563 3 inputs		BN 575564 4 inputs	
Frequency range	470 - 860 MHz					
Narrow band input	N female					
Filter type integrated	BN 616660 ≡ 6 cavities / size 40					
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	130 W per input for non-adjacent channels or 100 W for adjacent channels					
channel spacing	≥ 0 (pairs of adjacent channels possible)					
AS6361	f ₀	0.8 – 1.1 dB	f ₀	0.9 – 1.2 dB	f ₀	0.9 – 1.2 dB
Insertion loss for non-adjacent channels	f ₀ ± 3.805 MHz	2.0 – 2.5 dB	f ₀ ± 3.805 MHz	2.0 – 2.6 dB	f ₀ ± 3.805 MHz	2.0 – 2.7 dB
	f ₀ ± 3.885 MHz	2.3 – 2.8 dB	f ₀ ± 3.885 MHz	2.3 – 2.9 dB	f ₀ ± 3.885 MHz	2.3 – 3.0 dB
AS6361 mask filtering			f ₀ ± 4.2 MHz	≥ 4 dB		
			f ₀ ± 6 MHz	≥ 20 dB		
			f ₀ ± 12 MHz	≥ 40 dB		
Group delay variation	Δτ ≤ 350 ns (≤ 500 ns at adjacent channel slopes)					
Isolation between inputs	≥ 35 dB (for adjacent channels: ≥ 30 dBrms in channel and 15 dB at adjacent channel slopes)					
Standard	ISDB-T @ 6 MHz, (Ū/U_{rms}=13 dB)					
Average input power	100 W per input					
channel spacing	≥ 1					
AS6368	f ₀	1.1 – 1.4 dB	f ₀	1.1 – 1.5 dB	f ₀	1.1 – 1.6 dB
Insertion loss	f ₀ ± 2.79 MHz	2.7 – 3.3 dB	f ₀ ± 2.79 MHz	2.7 – 3.4 dB	f ₀ ± 2.79 MHz	2.7 – 3.5 dB
			f ₀ ± 3 MHz	≥ 4 dB		
AS6368 mask filtering			f ₀ ± 3.15 MHz	≥ 8 dB		
			f ₀ ± 4.5 MHz	≥ 22 dB		
			f ₀ ± 9 MHz	≥ 50 dB		
			f ₀ ± 15 MHz	≥ 50 dB		
Group delay variation	Δτ ≤ 350 ns					
Isolation between inputs	≥ 35 dB					
Standard	ATSC @ 6 MHz, (Ū/U_{rms}=11 dB)					
Average input power	100 W per input					
channel spacing	≥ 1					
AS6362	f ₀	1.3 – 1.8 dB	f ₀	1.3 – 1.9 dB	f ₀	1.3 – 2.0 dB
Insertion loss	f ₀ ± 2.69 MHz	2.3 – 2.7 dB	f ₀ ± 2.69 MHz	2.3 – 2.8 dB	f ₀ ± 2.69 MHz	2.3 – 2.9 dB
			f ₀ ± 3.25 MHz	≥ 4 dB		
AS6362 mask filtering			f ₀ ± 3.5 MHz	≥ 8 dB		
			f ₀ ± 4 MHz	≥ 15 dB		
			f ₀ ± 6 MHz	≥ 40 dB		
			f ₀ ± 9 MHz	≥ 65 dB		
Group delay variation	Δτ ≤ 200 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)	300 mm x 483 mm x 177 mm (4RU)					
Weight	≈ 9 kg		≈ 13 kg		≈ 17 kg	
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“					

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



Part number	BN 575565 5 inputs	BN 575566 6 inputs	BN 575567 7 inputs	BN 575568 8 inputs
Frequency range	470 - 860 MHz			
Narrow band input	N female			
Filter type integrated	BN 616660 ≡ 6 cavities / size 40			
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	130 W per input for non-adjacent channels or 100 W per input for adjacent channels			
channel spacing	≥ 0 (pairs of adjacent channels possible)			
AS6361	f ₀ 0.9 – 1.3 dB	f ₀ 0.9 – 1.3 dB	f ₀ 0.9 – 1.4 dB	f ₀ 0.9 – 1.5 dB
Insertion loss for non-adjacent channels	f ₀ ± 3.805 MHz 2.0 – 2.8 dB	f ₀ ± 3.805 MHz 2.0 – 2.8 dB	f ₀ ± 3.805 MHz 2.0 – 2.9 dB	f ₀ ± 3.805 MHz 2.0 – 3.0 dB
	f ₀ ± 3.885 MHz 2.3 – 3.1 dB	f ₀ ± 3.885 MHz 2.3 – 3.1 dB	f ₀ ± 3.885 MHz 2.3 – 3.2 dB	f ₀ ± 3.885 MHz 2.3 – 3.3 dB
AS6361 mask filtering		f ₀ ± 4.2 MHz	≥ 4 dB	
		f ₀ ± 6 MHz	≥ 20 dB	
		f ₀ ± 12 MHz	≥ 40 dB	
Group delay variation	Δτ ≤ 350 ns (≤ 500 ns at adjacent channel slopes)			
Isolation between inputs	≥ 35 dB (for adjacent channels: ≥ 30 dBrms in channel and 15 dB at adjacent channel slopes)			
Standard	ISDB-T @ 6 MHz, (Ū/U _{rms} =13 dB)			
Average input power	100 W per input			
channel spacing	≥ 1			
AS6368	f ₀ 1.1 – 1.7 dB	f ₀ 1.1 – 1.7 dB	f ₀ 1.1 – 1.8 dB	f ₀ 1.1 – 1.9 dB
Insertion loss	f ₀ ± 2.79 MHz 2.7 – 3.6 dB	f ₀ ± 2.79 MHz 2.7 – 3.6 dB	f ₀ ± 2.79 MHz 2.7 – 3.7 dB	f ₀ ± 2.79 MHz 2.7 – 3.8 dB
		f ₀ ± 3 MHz	≥ 4 dB	
AS6368 mask filtering		f ₀ ± 3.15 MHz	≥ 8 dB	
		f ₀ ± 4.5 MHz	≥ 22 dB	
		f ₀ ± 9 MHz	≥ 50 dB	
		f ₀ ± 15 MHz	≥ 50 dB	
Group delay variation	Δτ ≤ 350 ns			
Isolation between inputs	≥ 35 dB			
Standard	ATSC @ 6 MHz, (Ū/U _{rms} =11 dB)			
Average input power	100 W per input			
channel spacing	≥ 1			
AS6362	f ₀ 1.3 – 2.1 dB	f ₀ 1.3 – 2.1 dB	f ₀ 1.3 – 2.2 dB	f ₀ 1.3 – 2.3 dB
Insertion loss	f ₀ ± 2.69 MHz 2.3 – 3.0 dB	f ₀ ± 2.69 MHz 2.3 – 3.0 dB	f ₀ ± 2.69 MHz 2.3 – 3.1 dB	f ₀ ± 2.69 MHz 2.3 – 3.2 dB
		f ₀ ± 3.25 MHz	≥ 4 dB	
AS6362 mask filtering		f ₀ ± 3.5 MHz	≥ 8 dB	
		f ₀ ± 4 MHz	≥ 15 dB	
		f ₀ ± 6 MHz	≥ 40 dB	
		f ₀ ± 9 MHz	≥ 65 dB	
Group delay variation	Δτ ≤ 200 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)	300 mm x 483 mm x 355 (8RU)			
Weight	≈ 21 kg	≈ 25 kg	≈ 29 kg	≈ 32 kg
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“			