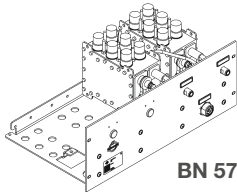
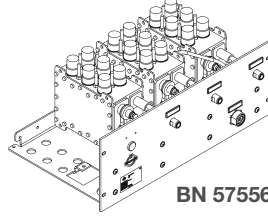


UHF Manifold Combiners

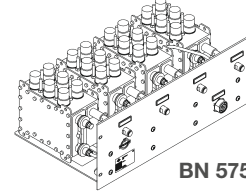
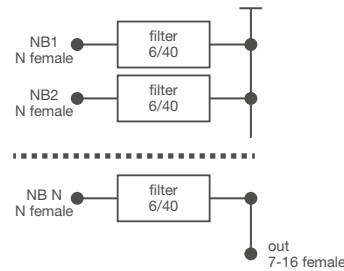
- Compact design as 19" slide-in unit
- Integrated mask filters for DTV
- Applicable within the whole UHF range
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated



BN 575562



BN 575563



BN 575564

Part Number	BN 575562 - 2 Inputs		BN 575563 - 3 Inputs		BN 575564 - 4 Inputs	
Frequency range	470 - 860 MHz					
Narrowband input	N female					
Filter type integrated cavities/size	6/40 ≡ BN 616660					
Temperature stability	≤ 2 kHz / K					
Harmonics attenuation	≥ 60 dB for f ≤ 1400 MHz					
Standard	DVB-T @ 8 MHz, (Û/U _{rms} =13 dB)					
Average input power/channel width	130 W per input for non-adjacent channels or 100 W for adjacent channels					
Channel spacing	≥ 0 (pairs of adjacent channels possible)					
Tuning instruction 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	2.0 - 2.5 dB	f ₀ ± 3.805	2.0 - 2.6 dB	f ₀ ± 3.805	2.0 - 2.7 dB
	f ₀ ± 3.885	2.3 - 2.8 dB	f ₀ ± 3.885	2.3 - 2.9 dB	f ₀ ± 3.885	2.3 - 3.0 dB
Mask filtering			f ₀ ± 4.2	≥ 4 dB		
			f ₀ ± 6	≥ 20 dB		
			f ₀ ± 12	≥ 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, (Û/U _{rms} =13 dB)					
Average input power/channel width	100 W per input for non-adjacent channels or 75 W for adjacent channels					
Channel spacing	≥ 0 (pairs of adjacent channels possible)					
Tuning instruction AS6368	f ₀	1.1 - 1.4 dB	f ₀	1.1 - 1.5 dB	f ₀	1.1 - 1.6 dB
Insertion loss for non-adjacent channels	f ₀ ± 2.79	2.7 - 3.3 dB	f ₀ ± 2.79	2.7 - 3.4 dB	f ₀ ± 2.79	2.7 - 3.5 dB
			f ₀ ± 3	≥ 4 dB		
Mask filtering			f ₀ ± 3.15	≥ 8 dB		
			f ₀ ± 4.5	≥ 22 dB		
			f ₀ ± 9	≥ 50 dB		
			f ₀ ± 15	≥ 50 dB		
Group delay variation	Δτ ≤ 350 ns					
Isolation between inputs	≥ 35 dB (for adjacent channels: ≥ 30 dBrms in channel and 15 dB at adjacent channel slopes)					
Standard	ATSC 1.0 @ 6 MHz, (Û/U _{rms} =11 dB)					
Average input power/channel width	100 W per input for non-adjacent channels or 75 W for adjacent channels					
Channel spacing	≥ 0 (pairs of adjacent channels possible)					
Tuning instruction AS6362	f ₀	1.3 - 1.8 dB	f ₀	1.3 - 1.9 dB	f ₀	1.3 - 2.0 dB
Insertion loss for non-adjacent channels	f ₀ ± 2.69	2.3 - 2.7 dB	f ₀ ± 2.69	2.3 - 2.8 dB	f ₀ ± 2.69	2.3 - 2.9 dB
			f ₀ ± 3.25	≥ 4 dB		
Mask filtering			f ₀ ± 3.5	≥ 8 dB		
			f ₀ ± 4	≥ 15 dB		
			f ₀ ± 6	≥ 40 dB		
			f ₀ ± 9	≥ 65 dB		
Group delay variation	Δτ ≤ 200 ns					
Isolation between inputs	≥ 35 dB (for adjacent channels: ≥ 30 dBrms in channel and 15 dB at adjacent channel slopes)					
Output	7-16 female					
Average output power	≤ 600 W					
Peak output voltage	≤ 2 kV					
VSWR	≤ 1.15		≤ 1.2			
Dimensions (L x W x H) mm	300 x 483 x 177 (4RU)					
Weight	≈ 9 kg		≈ 13 kg		≈ 17 kg	
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.					