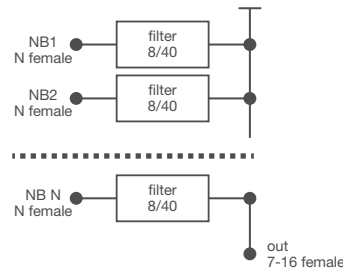
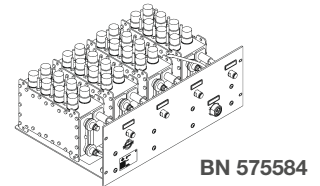
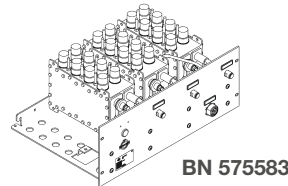
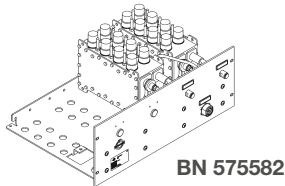


UHF Manifold Combiners

- 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 575582 - 2 Inputs	BN 575583 - 3 Inputs	BN 575584 - 4 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, ($\hat{U}/U_{rms}=13$ 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 1.3-1.7 dB	f_0 1.3-1.8 dB	f_0 1.3-1.9 dB
Insertion loss for non-adjacent channels	$f_0 \pm 3.805$ 3.7-5.5 dB $f_0 \pm 3.885$ 4.5-6.1 dB	$f_0 \pm 3.805$ 3.8-5.6 dB $f_0 \pm 3.885$ 4.5-6.2 dB	$f_0 \pm 3.805$ 3.8-5.7 dB $f_0 \pm 3.885$ 4.5-6.3 dB
Mask filtering	$f_0 \pm 4.2$ ≥ 15 dB $f_0 \pm 6$ ≥ 40 dB $f_0 \pm 12$ ≥ 55 dB		
Group delay variation	$\Delta\tau \leq 650$ ns (≤ 800 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, ($\hat{U}/U_{rms}=13$ dB)		
Average input power/channel width	100 W per input		
Channel spacing	≥ 1		
Tuning instruction AS8133	f_0 1.6-1.9 dB	f_0 1.6-2.0 dB	f_0 1.6-2.1 dB
Insertion loss for non-adjacent channels	$f_0 \pm 2.79$ 4.6-5.3 dB	$f_0 \pm 2.79$ 4.6-5.4 dB $f_0 \pm 3.15$ ≥ 15 dB $f_0 \pm 4.5$ ≥ 30 dB $f_0 \pm 9$ ≥ 55 dB $f_0 \pm 15$ ≥ 65 dB	$f_0 \pm 2.79$ 4.6-5.5 dB
Mask filtering	$f_0 \pm 9$ ≥ 55 dB $f_0 \pm 15$ ≥ 65 dB		
Group delay variation	$\Delta\tau \leq 500$ ns $\Delta\tau \leq 500$ ns		
Isolation between inputs	≥ 35 dB		
Standard	ATSC 1.0 @ 6 MHz, ($\hat{U}/U_{rms}=11$ dB)		
Average input power/channel width	100 W per input		
Channel spacing	≥ 1		
Tuning instruction AS8132	f_0 1.7-2.2 dB	f_0 1.7-2.3 dB	f_0 1.7-2.4 dB
Insertion loss for non-adjacent channels	$f_0 \pm 2.69$ 4.0-4.7 dB	$f_0 \pm 2.69$ 4.0-4.8 dB $f_0 \pm 3.25$ ≥ 5 dB $f_0 \pm 3.5$ ≥ 18 dB $f_0 \pm 9$ ≥ 64 dB	$f_0 \pm 2.69$ 4.0-4.9 dB
Mask filtering	$f_0 \pm 9$ ≥ 64 dB		
Group delay variation	$\Delta\tau \leq 400$ 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 177 (4RU)		
Weight	≈ 10 kg	≈ 14 kg	≈ 18 kg
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		

Multi Channel Combiners