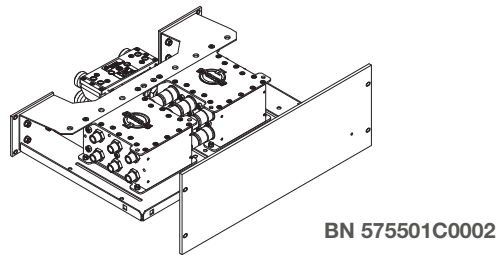
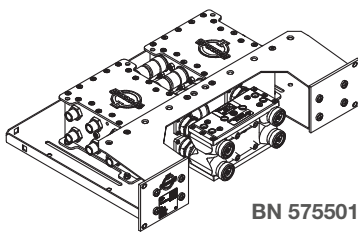
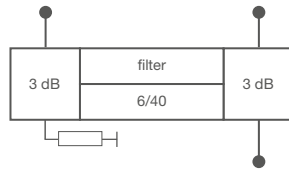


UHF CIB Combiners

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



Part Number Front Plate Design	BN 575501 Without Front Plate		BN 575501C0002 With Front Plate and Ports at Rear Side	
Frequency range	470 - 860 MHz			
Channel spacing	≥ 0			
Narrowband input	7-16 female			
Filter type integrated cavities/size	6/40 ≡ BN 616660			
Temperature stability	≤ 2 kHz / K			
Harmonics attenuation	≥ 50 dB for f ≤ 1300 MHz			
DTV mask filtering	DVB-T @ 8 MHz ($\dot{U}/U_{rms}=13$ dB)	ISDB-T @ 6 MHz ($\dot{U}/U_{rms}=13$ dB)	ATSC @ 6 MHz ($\dot{U}/U_{rms}=11$ dB)	
Average input power	≤ 260 W	≤ 200 W	≤ 200 W	
Tuning instruction	AS6361	AS6368	AS6362	
Insertion loss & mask filtering (alternative tuning on request)	470 MHz 860 MHz	470 MHz 860 MHz	470 MHz	860 MHz
	f_0 ≤ 0.8 dB ≤ 1.0 dB	f_0 ≤ 1.1 dB ≤ 1.4 dB	f_0 ≤ 1.3 dB	≤ 1.8 dB
	$f_0 \pm 3.805$ ≤ 2.0 dB ≤ 2.5 dB	$f_0 \pm 2.79$ ≤ 2.7 dB ≤ 3.3 dB	$f_0 \pm 2.69$ ≤ 2.3 dB	≤ 2.7 dB
	$f_0 \pm 3.885$ ≤ 2.3 dB ≤ 2.8 dB	$f_0 \pm 3.0$ ≥ 4 dB	$f_0 \pm 3.25$ ≥ 4 dB	
	$f_0 \pm 4.2$ ≥ 4 dB	$f_0 \pm 3.15$ ≥ 8 dB	$f_0 \pm 3.5$ ≥ 8 dB	
	$f_0 \pm 6$ ≥ 20 dB	$f_0 \pm 4.5$ ≥ 22 dB	$f_0 \pm 4$ ≥ 15 dB	
	$f_0 \pm 12$ ≥ 40 dB	$f_0 \pm 9$ ≥ 50 dB	$f_0 \pm 6$ ≥ 40 dB	
		$f_0 \pm 15$ ≥ 50 dB	$f_0 \pm 9$ ≥ 65 dB	
Group delay variation	$\Delta\tau \leq 350$ ns	$\Delta\tau \leq 350$ ns	$\Delta\tau \leq 200$ ns	
Wideband input	7-16 female			
Average input power	1 kW			
	Attention: The power at the wideband input must be reduced by 50 % of the power fed into the narrowband input.			
DTV mask filtering	No			
Insertion loss	≤ 0.1 dB (non adjacent)			
Output	7-16 female			
Peak output voltage	≤ 2.8 kV			
Isolation between inputs	≥ 35 dB			
VSWR (one WB channel)	≤ 1.06			
Dimensions (L x W x H) mm	355 x 483 x 133 (3RU)			
Weight	≈ 12 kg			
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.			