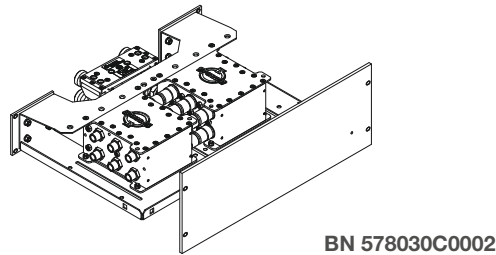
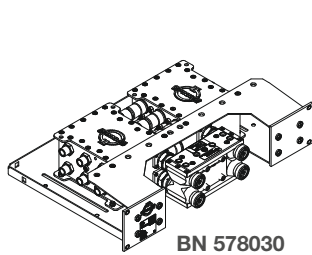
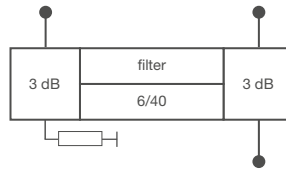


UHF CIB Combiners

- 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 578030 Without Front Plate		BN 578030C0002 With Front Plate and Ports at Rear Side	
Frequency range	470 - 800 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 1.0 @ 6 MHz ($\dot{U}/U_{rms}=11$ dB)	
Average input power	≤ 260 W		≤ 200 W	
Tuning instruction	AS6361		AS6368	
Insertion loss & mask filtering (alternative tuning on request)	470 MHz	860 MHz	470 MHz	860 MHz
	f_0	f_0	f_0	f_0
	≤ 0.8 dB	≤ 1.0 dB	≤ 1.1 dB	≤ 1.4 dB
	$f_0 \pm 3.805$	≤ 2.5 dB	$f_0 \pm 2.79$	≤ 3.3 dB
	$f_0 \pm 3.885$	≤ 2.8 dB	$f_0 \pm 3.0$	≥ 4 dB
	$f_0 \pm 4.2$	≥ 4 dB	$f_0 \pm 3.15$	≥ 8 dB
	$f_0 \pm 6$	≥ 20 dB	$f_0 \pm 4.5$	≥ 22 dB
	$f_0 \pm 12$	≥ 40 dB	$f_0 \pm 9$	≥ 50 dB
			$f_0 \pm 15$	≥ 50 dB
Group delay variation	$\Delta\tau \leq 350$ ns		$\Delta\tau \leq 350$ 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“.			