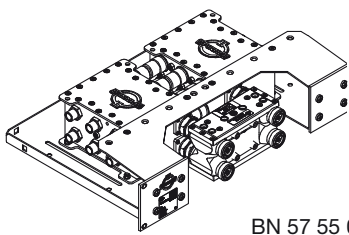
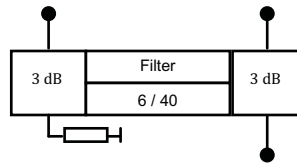
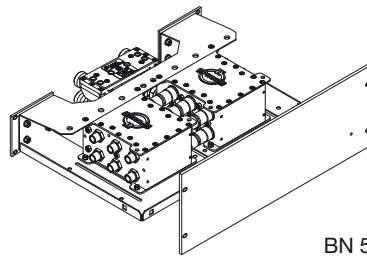


UHF CIB COMBINERS

- 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



BN 57 55 01



BN 57 55 01 C0002

Part number	BN 57 55 01		BN 57 55 01 C0002			
Front plate design	without front plate		with front plate and rear side ports			
Frequency range	470 - 860 MHz					
Channel spacing	≥ 0					
<b>Narrow band input</b>	7-16 female					
Filter type integrated cavities/size	<b>6/40 ≡ BN616660</b>					
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	803 MHz	470 MHz	803 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		
<b>Wide band input</b>	7-16 female					
Average input power	1 kW					
DTV Mask filtering	Attention: The power at the wide band input must be reduced by 50 % of the power fed into the narrow band input					
Insertion loss	no					
	≤ 0.1 dB (non adjacent)					
<b>Output</b>	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“					