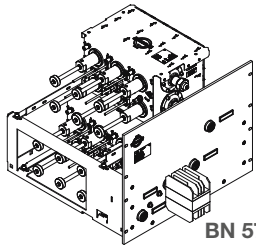
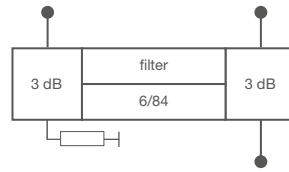
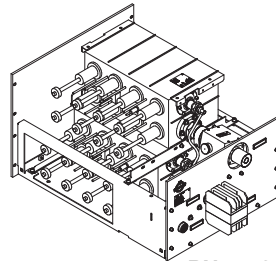


UHF CIB Combiners

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



BN 575573C0001



BN 574942C0002

Part Number Front Plate Design	BN 575573C0001 With Ports at Front Plate		BN 574942C0001 With Ports at Front Plate	
	BN 575573C0002 With Ports at Rear Side		BN 574942C0002 With Ports at Rear Side	
Frequency range	470 - 860 MHz			
Channel spacing	≥ 0			
Narrowband input	7-16 female			
Filter type integrated cavities/size	6/84 ≡ BN 616402			
Temperature stability	≤ 2 kHz / K			
Harmonics attenuation	≥ 50 dB for f ≤ 950 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	≤ 1.5 kW		≤ 1.2 kW	
Tuning instruction	AS6186		AS6182	
Insertion loss & mask filtering (alternative tuning on request)	470 MHz 860 MHz		470 MHz 803 MHz	
	f_0	≤ 0.5 dB ≤ 0.6 dB	f_0	≤ 0.6 dB ≤ 0.8 dB
	$f_0 \pm 3.805$	≤ 1.2 dB ≤ 1.5 dB	$f_0 \pm 2.79$	≤ 1.6 dB ≤ 2.2 dB
	$f_0 \pm 3.885$	≤ 1.3 dB ≤ 1.6 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	$f_0 \pm 4.5$	≥ 24 dB
	$f_0 \pm 12$	≥ 40 dB	$f_0 \pm 9$	≥ 48 dB
			$f_0 \pm 15$	≥ 50 dB
Group delay variation	$\Delta\tau \leq 330$ ns		$\Delta\tau \leq 500$ ns	
Wideband input	7-16 female		1 5/8" SMS unflanged	
Average input power	≤ 1.1 kW		≤ 7 kW	
DTV mask filtering	No			
Insertion loss	≤ 0.1 dB (non adjacent)			
Output	7-16 female		1 5/8" SMS unflanged	
Average output power	-		≤ 7 kW	
Peak output voltage	≤ 2.8 kV		≤ 8.5 kV	
Isolation between inputs	≥ 35 dB			
VSWR (one WB channel)	≤ 1.06			
Dimensions (L x W x H) mm	586 x 483 x 355 (8RU)			
Weight	≈ 30 kg		≈ 32 kg	
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.			