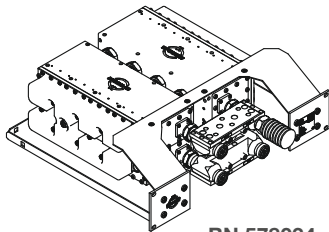
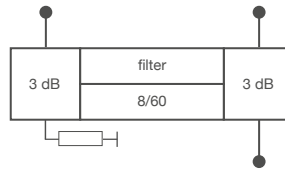
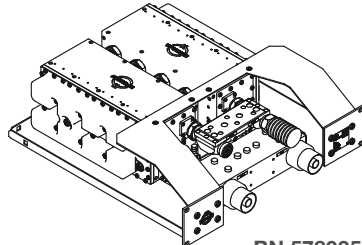


UHF CIB Combiners

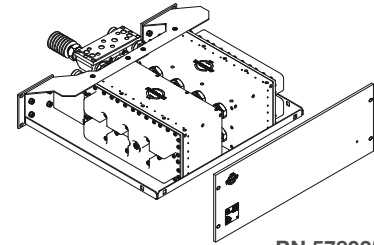
- Compact design as 19" slide-in unit
- For 6, 7 and 8 MHz channel bandwidth
- Integrated mask filters for DTV
- Adjacent channel operation
- Temperature compensated
- Tuneable within the whole UHF range



BN 578034



BN 578035



BN 578035 C0002

Multi Channel Combiners

Part Number Front Plate Design	BN 578034 Without Front Plate		BN 578035 Without Front Plate	
	BN 578034C0002 With Front Plate and Ports at Rear Side		BN 578035C0002 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	8/60 ≡ BN 616568			
Temperature stability	≤ 2 kHz / K			
Harmonics attenuation	≥ 50 dB for f ≤ 1200 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	≤ 750 W		≤ 600 W	
Tuning instruction	AS8087		AS8095 AS8084	
Insertion loss & mask filtering (alternative tuning on request)	470 MHz	860 MHz	470 MHz	803 MHz
	f_0 ≤ 0.75 dB	≤ 1.00 dB	f_0 ≤ 0.85 dB	≤ 1.15 dB
	$f_0 \pm 3.805$ ≤ 2.35 dB	≤ 3.15 dB	$f_0 \pm 2.79$ ≤ 2.25 dB	≤ 3.10 dB
	$f_0 \pm 3.885$ ≤ 3.05 dB	≤ 3.85 dB	$f_0 \pm 3.15$ ≥ 15 dB	$f_0 \pm 3.0$ ≥ 3 dB
	$f_0 \pm 4.2$ ≥ 15 dB		$f_0 \pm 4.5$ ≥ 30 dB	$f_0 \pm 3.25$ ≥ 18 dB
	$f_0 \pm 6$ ≥ 40 dB		$f_0 \pm 9$ ≥ 55 dB	$f_0 \pm 9$ ≥ 64 dB
	$f_0 \pm 12$ ≥ 55 dB			
Group delay variation	$\Delta\tau \leq 660$ ns		$\Delta\tau \leq 500$ ns	
Wideband input	7-16 female		1 5/8" SMS unflanged	
Average input power	≤ 1.1 kW		≤ 4 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		1 5/8" SMS unflanged	
Peak output voltage	≤ 2.8 kV		≤ 6 kV	
Isolation between inputs	≥ 35 dB			
VSWR (one WB channel)	≤ 1.06			
Dimensions (L x W x H) mm	482 x 483 x 177 (4RU)		510 x 483 x 177 (4RU)	
Weight	≈ 20 kg		≈ 22 kg	
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.			