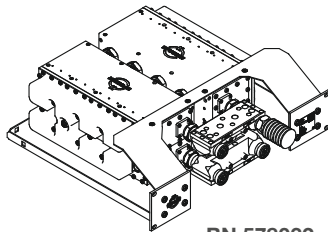
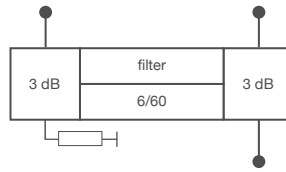
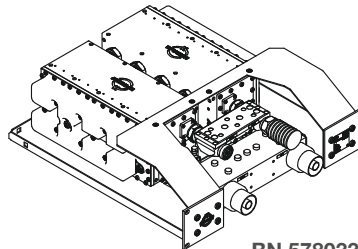


## UHF CIB Combiners

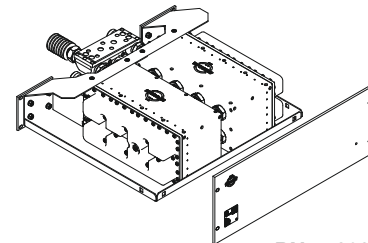
- Compact design as 19" slide-in unit
- For 6, 7 and 8 MHz channel bandwidth
- Integrated mask filters for DTV
- Adjacent channel operation
- Temperature compensated
- Tuneable within the whole UHF range



BN 578032



BN 578033



BN 578033C0002

Part Number Front Plate Design	BN 578032 Without Front Plate		BN 578033 Without Front Plate						
	BN 578032C0002 With Front Plate and Ports at Rear Side		BN 578033C0002 With Front Plate and Ports at Rear Side						
Frequency range	470 - 800 MHz								
Channel spacing	≥ 0								
<b>Narrowband input</b>	7-16 female								
Filter type integrated cavities/size	<b>6/60 ≡ BN 616566</b>								
Temperature stability	≤ 2 kHz / K								
Harmonics attenuation	≥ 50 dB for f ≤ 1200 MHz								
DTV mask filtering	DVB-T @ 8 MHz (Û/U <sub>rms</sub> =13 dB)		ISDB-T @ 6 MHz (Û/U <sub>rms</sub> =13 dB)	ATSC 1.0 @ 6 MHz (Û/U <sub>rms</sub> =11 dB)					
Average input power	≤ <b>750 W</b>		≤ <b>600 W</b>						
Tuning instruction	AS6201		AS6192						
Insertion loss & mask filtering (alternative tuning on request)	470 MHz	860 MHz	470 MHz	803 MHz					
	f <sub>0</sub>	≤ 0.55 dB	≤ 0.65 dB	f <sub>0</sub>	≤ 0.7 dB	≤ 0.85 dB	f <sub>0</sub>	≤ 0.8 dB	≤ 1.1 dB
	f <sub>0</sub> ± 3.805	≤ 1.35 dB	≤ 1.85 dB	f <sub>0</sub> ± 2.79	≤ 1.7 dB	≤ 2.30 dB	f <sub>0</sub> ± 2.69	≤ 1.5 dB	≤ 1.8 dB
	f <sub>0</sub> ± 3.885	≤ 1.55 dB	≤ 2.10 dB	f <sub>0</sub> ± 3.0	≥ 4 dB		f <sub>0</sub> ± 3.0	≤ 2.7 dB	≤ 2.8 dB
	f <sub>0</sub> ± 4.2	≥ 4 dB		f <sub>0</sub> ± 3.15	≥ 8 dB		f <sub>0</sub> ± 3.25	≥ 4 dB	
	f <sub>0</sub> ± 6	≥ 20 dB		f <sub>0</sub> ± 4.5	≥ 23 dB		f <sub>0</sub> ± 4	≥ 15 dB	
	f <sub>0</sub> ± 12	≥ 40 dB		f <sub>0</sub> ± 9	≥ 48 dB		f <sub>0</sub> ± 6	≥ 40 dB	
			f <sub>0</sub> ± 15	≥ 50 dB		f <sub>0</sub> ± 9	≥ 65 dB		
Group delay variation	Δτ ≤ 350 ns		Δτ ≤ 350 ns						
<b>Wideband input</b>	7-16 female		1 5/8" SMS unflanged						
Average input power	≤ <b>1.1 kW</b>		≤ <b>4 kW</b>						
DTV mask filtering	No								
Insertion loss	≤ 0.1 dB (non adjacent)								
<b>Output</b>	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	≈ 17 kg		≈ 20 kg						
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.								