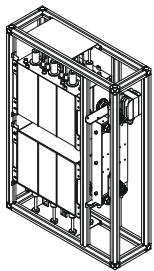
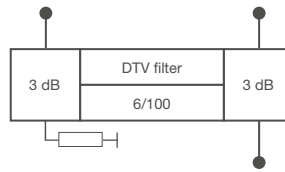
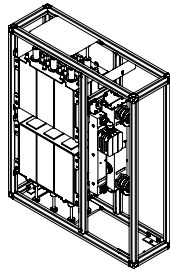


Band 3 DTV CIB Combiners

- Compact design
- For 6, 7 and 8 MHz channel bandwidth
- Integrated mask filters for DTV
- Adjacent channel operation
- Temperature compensated
- Filters with cross coupling (notch function)
- Tuneable within the whole band 3



BN 576800



BN 576801

Part Number	BN 576800		BN 576801
Frequency range	174 - 230 MHz		
Block spacing	≥ 0		
Narrowband input	7-16 female		
Filter type integrated cavities/size	6/100 ≡ BN 617190		
Temperature stability	≤ 2 kHz / K		
Harmonics attenuation	≥ 50 dB for f ≤ 500 MHz		
Mask filtering	DVB-T @ 8 MHz ($\dot{U}/U_{rms}=13$ dB)	DVB-T @ 7 MHz ($\dot{U}/U_{rms}=13$ dB)	ATSC 1.0 @ 6 MHz ($\dot{U}/U_{rms}=11$ dB)
Average input power	≤ 2.2 kW	≤ 2.0 kW	≤ 1.8 kW
Tuning instruction	AS6164	AS6162	AS6161
Insertion loss & mask filtering (alternative tuning on request)	$f_0 \leq 0.35$ dB $f_0 \pm 3.805 \leq 0.75$ dB $f_0 \pm 4.20 \geq 4.0$ dB $f_0 \pm 6.00 \geq 20$ dB $f_0 \pm 12.0 \geq 55$ dB	$f_0 \leq 0.35$ dB $f_0 \pm 3.35 \leq 0.80$ dB $f_0 \pm 3.50 \geq 1.3$ dB $f_0 \pm 3.65 \geq 4.0$ dB $f_0 \pm 5.00 \geq 20$ dB $f_0 \pm 12.0 \geq 55$ dB	$f_0 \leq 0.40$ dB $f_0 \pm 2.69 \leq 0.60$ dB $f_0 \pm 3.00 \geq 1.2$ dB $f_0 \pm 3.50 \geq 8.0$ dB $f_0 \pm 4.00 \geq 15$ dB $f_0 \pm 6.00 \geq 30$ dB $f_0 \pm 9.00 \geq 64$ dB
Group delay variation	$\Delta\tau \leq 350$ ns	$\Delta\tau \leq 350$ ns	$\Delta\tau \leq 220$ ns
Wideband input	7-16 female		1 5/8" EIA
Average input power	≤ 3 kW		≤ 14 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" EIA
Peak output voltage	≤ 3.2 kV		≤ 7.7 kV
Average output power	≤ 3.8 kW		≤ 13.5 kW
Isolation between inputs	≥ 35 dB		
VSWR	≤ 1.1		
Dimensions (L x W x H) mm	700 x 310 x 1250		
Weight	≈ 65 kg		
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		