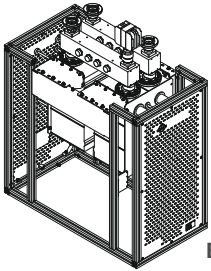
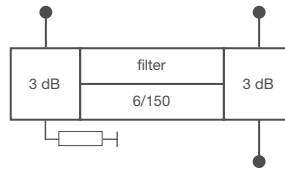
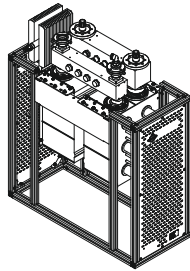


CCS UHF CIB Combiners

- **CCS** compact design
- Integrated mask filters for ATSC
- For 6 MHz channel bandwidth
- Temperature compensated
- Tuneable within the whole UHF range



BN 576090A0010



BN 576091A0000

Multi Channel Combiners

Part Number	BN 576090A0010	BN 576091A0000																					
Frequency range	470 - 800 MHz																						
Channel spacing	≥ 1																						
Narrowband input	1 5/8" EIA																						
Filter type integrated cavities/size	6/150 ≡ BN 616572																						
Temperature stability	≤ 2 kHz / K																						
Harmonics attenuation	≥ 50 dB for f ≤ 860 MHz																						
DTV mask filtering	ATSC 1.0 @ 6 MHz ($\dot{U}/U_{rms}=11$ dB)																						
Average input power	≤ 4.5 kW																						
Tuning instruction	AS6081																						
Insertion loss & mask filtering (alternative tuning on request)	<table border="0"> <tr> <td></td> <td>470 MHz</td> <td>860 MHz</td> </tr> <tr> <td>f_0</td> <td>≤ 0.5 dB</td> <td>≤ 0.6 dB</td> </tr> <tr> <td>$f_0 \pm 3.805$</td> <td>≤ 1.5 dB</td> <td>≤ 1.8 dB</td> </tr> <tr> <td>$f_0 \pm 3.885$</td> <td>≤ 1.6 dB</td> <td>≤ 2.0 dB</td> </tr> <tr> <td>$f_0 \pm 4.2$</td> <td colspan="2">≥ 15 dB</td> </tr> <tr> <td>$f_0 \pm 6$</td> <td colspan="2">≥ 40 dB</td> </tr> <tr> <td>$f_0 \pm 12$</td> <td colspan="2">≥ 55 dB</td> </tr> </table>			470 MHz	860 MHz	f_0	≤ 0.5 dB	≤ 0.6 dB	$f_0 \pm 3.805$	≤ 1.5 dB	≤ 1.8 dB	$f_0 \pm 3.885$	≤ 1.6 dB	≤ 2.0 dB	$f_0 \pm 4.2$	≥ 15 dB		$f_0 \pm 6$	≥ 40 dB		$f_0 \pm 12$	≥ 55 dB	
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$f_0 \pm 6$	≥ 40 dB																						
$f_0 \pm 12$	≥ 55 dB																						
Group delay variation	$\Delta\tau \leq 200$ ns																						
Wideband input	1 5/8" EIA	3 1/8" EIA male																					
Average input power	≤ 7 kW	≤ 17.5 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	1 5/8" EIA	3 1/8" EIA male																					
Peak output voltage	≤ 8.5 kV	≤ 12.5 kV																					
Average output power	≤ 7 kW	-																					
Isolation between inputs	≥ 35 dB																						
VSWR (one WB channel)	≤ 1.06																						
Dimensions (L x W x H) mm	900 x 480 x 1200	900 x 390 x 1200																					
Weight	≈ 95 kg	≈ 105 kg																					
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.																						