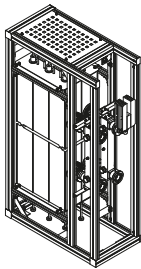
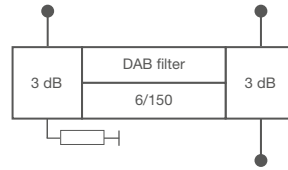
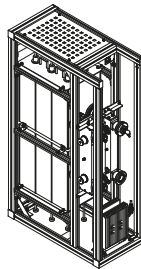


## Band 3 DAB CIB Combiners

- **CCS** compact design
- For 1.54 MHz block width
- Integrated mask filters for DAB and T-DMB
- Adjacent block operation
- Temperature compensated
- Filters with cross coupling (notch function)



BN 576842



BN 576843

Multi Channel Combiners

Part Number	BN 576842	BN 576843												
Frequency range	170 - 240 MHz													
Block spacing	≥ 0													
<b>Narrowband input</b>	1 5/8" EIA													
Filter type integrated cavities/size	<b>6/150 ≡ BN 617138</b>													
Temperature stability	≤ 1 kHz / K													
Harmonics attenuation	≥ 50 dB for f ≤ 500 MHz													
DAB and T-DMB mask filtering	DAB / T-DMB @ 1.54 MHz ( $\dot{U}/U_{rms}=13$ dB)													
Average input power	≤ <b>3.2 kW</b>													
Tuning instruction	AS6602													
Insertion loss & mask filtering (alternative tuning on request)	<table border="0"> <tr> <td><math>f_0</math></td> <td>≤ 0.75 dB</td> </tr> <tr> <td><math>f_0 \pm 0.77</math></td> <td>≤ 1.6 dB</td> </tr> <tr> <td><math>f_0 \pm 0.97</math></td> <td>≥ 15 dB</td> </tr> <tr> <td><math>f_0 \pm 1.75</math></td> <td>≥ 45 dB</td> </tr> <tr> <td><math>f_0 \pm 2.2</math></td> <td>≥ 58 dB</td> </tr> <tr> <td><math>f_0 \pm 3.0</math></td> <td>≥ 52 dB</td> </tr> </table>		$f_0$	≤ 0.75 dB	$f_0 \pm 0.77$	≤ 1.6 dB	$f_0 \pm 0.97$	≥ 15 dB	$f_0 \pm 1.75$	≥ 45 dB	$f_0 \pm 2.2$	≥ 58 dB	$f_0 \pm 3.0$	≥ 52 dB
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$f_0 \pm 2.2$	≥ 58 dB													
$f_0 \pm 3.0$	≥ 52 dB													
Group delay variation	$\Delta\tau \leq 1000$ ns	$\Delta\tau \leq 400$ ns												
<b>Wideband input</b>	1 5/8" EIA	3 1/8" EIA male												
Average input power	≤ <b>14 kW</b>	≤ <b>30 kW</b>												
	Attention: The power at the wideband input must be reduced by 50 % of the power fed into the narrowband input.													
Mask filtering	No													
Insertion loss	≤ 0.1 dB (non adjacent)													
<b>Output</b>	1 5/8" EIA	3 1/8" EIA male												
Peak output voltage	≤ 7.7 kV	≤ 12.7 kV												
Average output power	≤ 13.5 kW	-												
Isolation between inputs	≥ 35 dB													
VSWR	≤ 1.1													
Dimensions (L x W x H) mm	800 x 390 x 1420													
Weight	≈ 120 kg	≈ 130 kg												
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.													