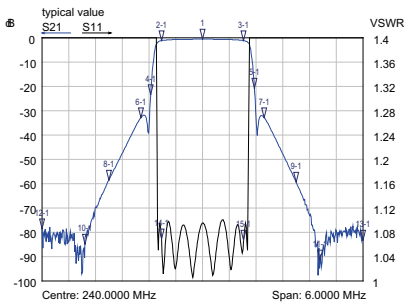
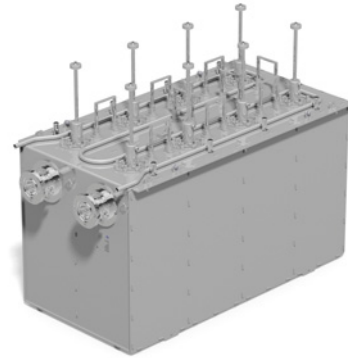
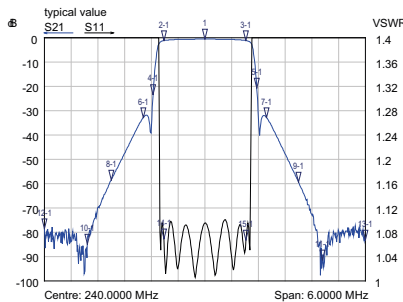


3.1 kW - 8 kW Band 3 DAB/T-DMB Bandpass Filters

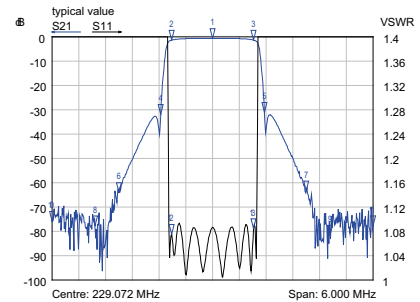
- Mask filters for DAB and T-DMB
- For 1.54 MHz block bandwidth
- With cross coupling (notch function)
- Tuneable within band 3
- Temperature compensated
- DC block
- Installation standing
- Natural or liquid cooling



Typical diagram AS8042



Typical diagram AS8181



Typical diagram AS8180

Part Number	BN 617168C1031	BN 617168C2031	BN 617167C2031
Connector	1 5/8" SMS Unflanged BN 617168C1033 1 5/8" EIA	1 5/8" SMS Unflanged BN 617168C2033 1 5/8" EIA	1 5/8" SMS Unflanged BN 617167C2033 1 5/8" EIA
Cooling	Natural Cooling	Liquid Cooling	Liquid Cooling
Frequency range	174 - 240 MHz		
Number/size of cavities	8/200		
Harmonics attenuation	≥ 50 dB for f < 500 MHz		
Mask filtering	DAB / T-DMB @ 1.54 MHz ($\dot{U}/U_{rms} = 13$ dB)		
Average input power The input power of the filters must be reduced if installed more than 2300 m above sea level.	≤ 3.1 kW	≤ 5.5 kW @ 0 - 500 m ≤ 4.8 kW @ 1400 m ≤ 4.3 kW @ 2100 m ≤ 3.8 kW @ 2800 m ≤ 3.2 kW @ 3600 m	≤ 8.0 kW @ 0 - 500 m ≤ 7.1 kW @ 1400 m ≤ 6.3 kW @ 2100 m ≤ 5.5 kW @ 2800 m ≤ 4.7 kW @ 3600 m
Tuning instruction	AS8042	AS8181	AS8180
Insertion loss & mask filtering (alternative tuning on request)	$f_0 \leq 0.60$ dB $f_0 \pm 0.77 \leq 1.20$ dB $f_0 \pm 0.97 \geq 15.0$ dB $f_0 \pm 1.15 \geq 30.0$ dB $f_0 \pm 1.75 \geq 50.0$ dB $f_0 \pm 2.20 \geq 65.0$ dB $f_0 \pm 3.00 \geq 65.0$ dB	$f_0 \leq 0.60$ dB $f_0 \pm 0.77 \leq 1.40$ dB $f_0 \pm 0.97 \geq 20.0$ dB $f_0 \pm 1.15 \geq 30.0$ dB $f_0 \pm 1.75 \geq 50.0$ dB $f_0 \pm 2.20 \geq 65.0$ dB $f_0 \pm 3.00 \geq 65.0$ dB	$f_0 \leq 0.65$ dB $f_0 \pm 0.77 \leq 1.45$ dB $f_0 \pm 0.97 \geq 28.0$ dB $f_0 \pm 1.15$ n.d. $f_0 \pm 1.75 \geq 61.0$ dB $f_0 \pm 2.20 \geq 69.0$ dB $f_0 \pm 3.00 \geq 70.0$ dB
VSWR (passband range)	≤ 1.10		
Group delay variation	$\Delta\tau \leq 1200$ ns	$\Delta\tau \leq 1300$ ns	
Temperature stability	≤ 1 kHz / K		
Dimensions (L x W x H) mm	880 x 450 x 678		
Weight	≈ 105 kg		
Temperature of the coolant	-	10 °C – 55 °C	
Coolant Flow rate	-	Mix: glycol and water BN 154567 ≥ 3 l/min	
Cooling accessories	-	See "Accessories for Fan- and Liquid-Cooled Filters"	
Cooling interface	-	Stainless steel tube 12 x 1mm unflanged ending straight (adapters available on request)	
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		