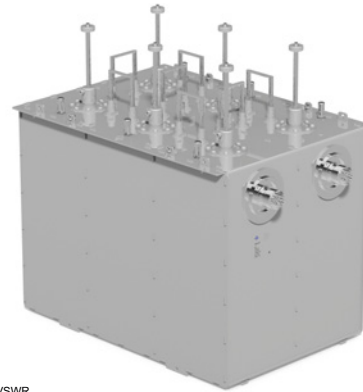
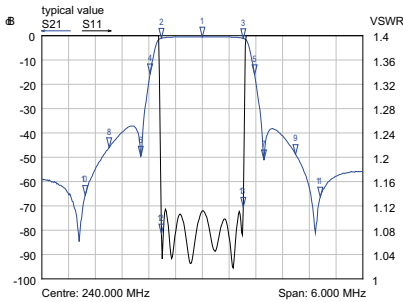


### 3 kW - 8 kW Band 3 DAB/T-DMB Bandpass Filters

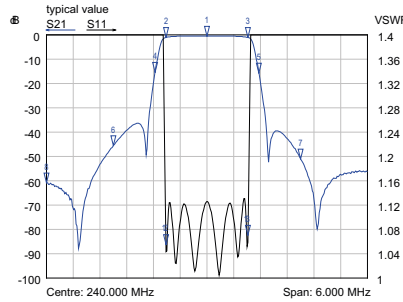
- Mask filters for DAB and T-DMB
- For 1.54 MHz block bandwidth
- With cross coupling (notch function)
- Tuneable within band 3
- Temperature compensated
- DC block
- Installation standing
- Natural or liquid cooling



Bandpass Filters



Typical diagram AS6019



Typical diagram AS6087

Part Number	BN 617166C1031	BN 617166C2031	BN 617165C2031
Connector	1 5/8" SMS Unflanged BN 617166C1033 1 5/8" EIA	1 5/8" SMS Unflanged BN 617166C2033 1 5/8" EIA	1 5/8" SMS Unflanged BN 617165C2033 1 5/8" EIA
Cooling	Natural Cooling	Liquid Cooling	Liquid Cooling
Frequency range	174 - 240 MHz		
Number/size of cavities	6/200		
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.	≤ 3.0 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	AS6019	AS6087	
Insertion loss & mask filtering (alternative tuning on request)	$f_0 \leq 0.55$ dB $f_0 \pm 0.77 \leq 1.2$ dB $f_0 \pm 0.97 \geq 12$ dB $f_0 \pm 1.15 \geq 30$ dB $f_0 \pm 1.75 \geq 40$ dB $f_0 \pm 2.20 \geq 55$ dB $f_0 \pm 3.00 \geq 55$ dB	$f_0 \leq 0.5$ dB $f_0 \pm 0.77 \leq 1.3$ dB $f_0 \pm 0.97 \geq 15$ dB $f_0 \pm 1.15$ n.d. $f_0 \pm 1.75 \geq 45$ dB $f_0 \pm 2.20 \geq 50$ dB $f_0 \pm 3.00 \geq 50$ dB	
VSWR (passband range)	≤ 1.15		
Group delay variation	$\Delta\tau \leq 1000$ ns	$\Delta\tau \leq 1200$ ns	
Temperature stability	≤ 1 kHz / K		
Dimensions (L x W x H) mm	600 x 450 x 685		
Weight	≈85 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“.		