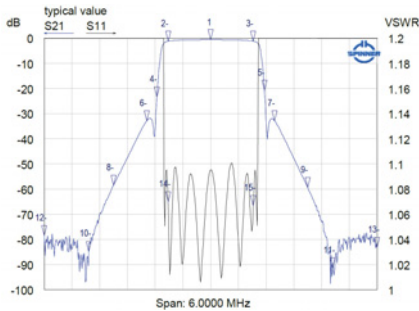


5 kW - 10 kW Band 3 DAB/T-DMB Bandpass Filters

- 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 AS8164

Part Number	BN 617148C1033	BN 617148C2033
Cooling	Natural Cooling	Liquid Cooling
Frequency range	174 - 240 MHz	
Number/size of cavities	8/245	
Harmonics attenuation	≥ 50 dB for f < 460 MHz ≥ 40 dB for 460 - 480 MHz	
Mask filtering	DAB / T-DMB @ 1.54 MHz (U _{rms} = 13 dB)	
Average input power The input power of liquid cooled filters must be reduced if installed more than 2300 m above sea level.	5 kW	10 kW
Tuning instruction	AS8164	
Insertion loss & mask filtering (alternative tuning on request)	f ₀ ≤ 0.60 dB f ₀ ± 0.77 ≤ 1.40 dB f ₀ ± 0.97 ≥ 18.0 dB f ₀ ± 1.75 ≥ 50.0 dB f ₀ ± 2.20 ≥ 70.0 dB f ₀ ± 3.00 ≥ 70.0 dB	
VSWR (passband range)	≤ 1.15	
Group delay variation	Δτ ≤ 1200 ns	
Temperature stability	≤ 1 kHz / K	
Connectors	1 5/8" EIA	
Dimensions (L x W x H) mm	1165 x 670 x 768	
Weight	≈ 160 kg	
Coolant/flow rate	–	Mix: glycol and water BN 154567 / ≥ 3 l/min
Temperature of the coolant	–	10 °C - 55 °C
Cooling interface	–	Aluminum pipe with hose barb 3/4" (adapters available on request)
Cooling accessories	–	See "Accessories for Fan- and Liquid-Cooled Filters"
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.	