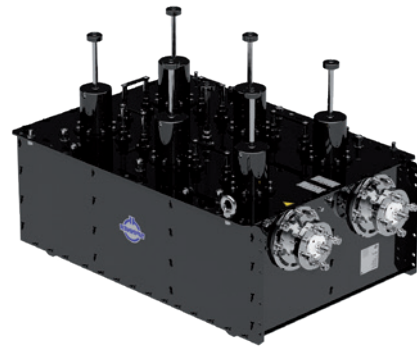
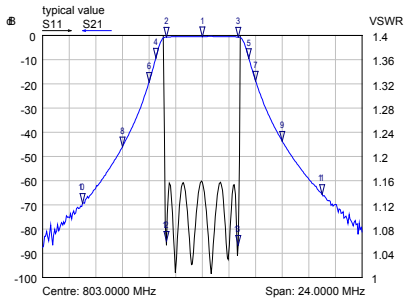


## 4.5 kW - 10 kW UHF DTV Bandpass Filters

- Mask filters for ATSC
- For 6 MHz channel bandwidth
- Without cross coupling
- Tuneable within the whole UHF range
- Temperature compensated
- Installation horizontally or vertically
- DC block
- Natural, fan or liquid cooling



Bandpass  
Filters



Typical diagram AS6082

Part Number Connector	BN 616571C1033 1 5/8" EIA	BN 616571C2041 3 1/8" SMS Unflanged BN 616571C2043 3 1/8" EIA	BN 616571C4041 3 1/8" SMS Unflanged BN 616571C4043 3 1/8" EIA
Cooling	Natural Cooling	Liquid Cooling	Fan Cooling
Frequency range		470 - 810 MHz	
Number/size of cavities	6/200		
Harmonics attenuation	≥ 50 dB for f ≤ 860 MHz		
Mask filtering	ATSC 1.0 @ 6 MHz (Ü/U <sub>rms</sub> =11 dB)		
Average input power The input power of liquid cooled filters must be reduced if installed more than 500 m above sea level.	≤ 4.5 kW natural cooling	≤ 10 kW @ 0 - 600 m forced cooling ≤ 8 kW @ 2000 m ≤ 6 kW @ 3400 m	
Tuning instruction	AS6082		
Insertion loss & mask filtering (alternative tuning on request)		473 MHz 803 MHz	
		f <sub>0</sub> ≤ 0.4 dB ≤ 0.60 dB	
		f <sub>0</sub> ± 2.69 ≤ 0.6 dB ≤ 0.80 dB	
		f <sub>0</sub> ± 3.00 ≤ 1.5 dB ≤ 1.75 dB	
		f <sub>0</sub> ± 4.00 ≥ 15 dB	
		f <sub>0</sub> ± 6.00 ≥ 40 dB	
		f <sub>0</sub> ± 9.00 ≥ 65 dB	
VSWR (passband range)	≤ 1.15		
Group delay variation	Δτ ≤ 100 ns		
Temperature stability	≤ 2 kHz / K		
Dimensions (L x W x H) mm	≈ 777 x 450 x 450		
Weight	≈ 48 kg		
Coolant/flow rate	-	Mix: glycol and water BN 154567 / ≥ 3 l/min	Air
Temperature of the coolant	-	20 °C - 60 °C	-
Cooling interface	-	Stainless steel tube 12 x1 mm unflanged ending straight at the rear side	Power supply for fans: 24 V DC / typ. 17 W Connector AMP 1-480703-0
Cooling accessories	See "Accessories for Fan- and Liquid-Cooled Filters".		
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		