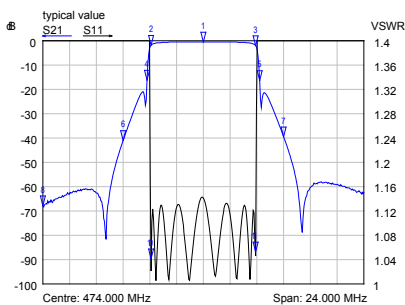


## 600 W - 750 W UHF DTV Bandpass Filter

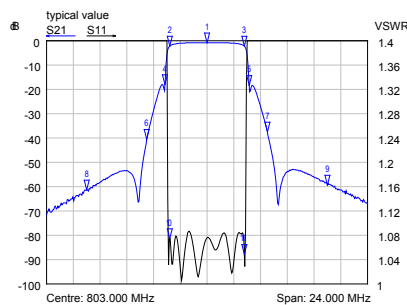
- Mask filter for ATV and DTV
- For 6, 7 and 8 MHz channel bandwidth
- With cross coupling (notch function)
- Tuneable within whole UHF range
- Temperature compensated
- DC block
- Installation horizontally or vertically
- Low profile design



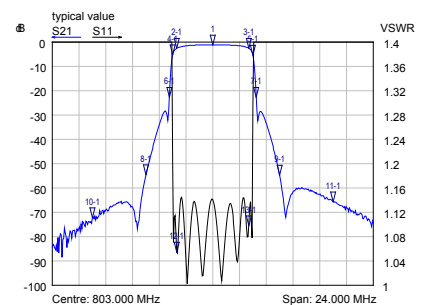
Bandpass Filters



Typical diagram AS8068



Typical diagram AS8091



Typical diagram AS8051

Part Number	BN 616403						
Frequency range	470 - 860 MHz						
Number/size of cavities	8/84						
Harmonics attenuation	≥ 50 dB for f ≤ 950 MHz						
<b>TV standard</b>	DVB-T @ 8 MHz (Ü/U <sub>rms</sub> = 13 dB)		ISDB-T @ 6 MHz (Ü/U <sub>rms</sub> = 13 dB)		ATSC 1.0 @ 6 MHz (Ü/U <sub>rms</sub> = 11 dB)		
Average input power	≤ 750 W		≤ 600 W		≤ 600 W		
Tuning instruction	AS8068		AS8091		AS8051		
Insertion loss & mask filtering (alternative tuning on request)	470 MHz	860 MHz	470 MHz	803 MHz	470 MHz	803 MHz	
	f <sub>0</sub>	≤ 0.5 dB	≤ 0.65 dB	f <sub>0</sub>	≤ 0.6 dB	≤ 1.2 dB	
	f <sub>0</sub> ± 3.805	≤ 1.7 dB	≤ 2.10 dB	f <sub>0</sub> ± 2.79	≤ 1.7 dB	≤ 3.0 dB	
	f <sub>0</sub> ± 3.885	≤ 2.0 dB	≤ 2.50 dB	f <sub>0</sub> ± 3.15	≥ 15 dB	f <sub>0</sub> ± 2.69	≤ 1.8 dB
	f <sub>0</sub> ± 4.20	≥ 15 dB		f <sub>0</sub> ± 4.50	≥ 30 dB	f <sub>0</sub> ± 3.00	≥ 3 dB
	f <sub>0</sub> ± 6.00	≥ 40 dB		f <sub>0</sub> ± 9.00	≥ 55 dB	f <sub>0</sub> ± 3.25	≥ 18 dB
	f <sub>0</sub> ± 12.0	≥ 55 dB				f <sub>0</sub> ± 9.00	≥ 64 dB
VSWR (passband range)	≤ 1.15		≤ 1.11		≤ 1.15		
Group delay variation	Δτ ≤ 600 ns		Δτ ≤ 500 ns		Δτ ≤ 400 ns		
Temperature stability	≤ 2 kHz / K						
Connectors	7-16 female						
Dimensions (L x W x H) mm	411 x 174 x 377						
Weight	≈ 14 kg						
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.						