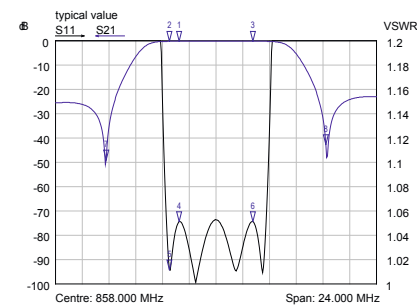
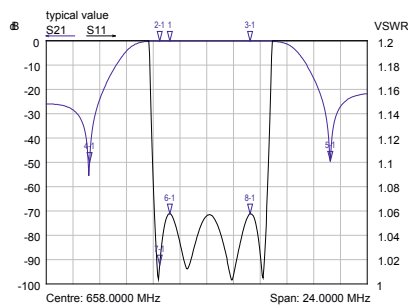


5 kW UHF ATV Bandpass Filter

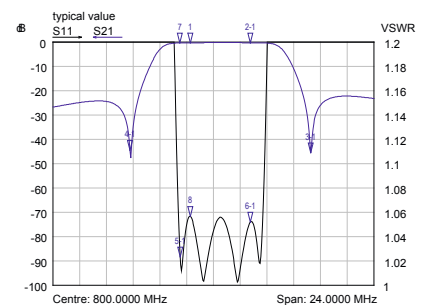
- Mask filter for ATV
- For 6, 7 and 8 MHz channel bandwidth
- With cross coupling (notch function)
- Tuneable within whole UHF range
- Temperature compensated
- DC block
- Installation horizontally or vertically



Typical diagram AS4025



Typical diagram AS4017



Typical diagram AS4024

Bandpass Filters

Part Number	BN 616404		
Frequency range	470 - 860 MHz		
Number/size of cavities	4/150		
Harmonics attenuation	≥ 40 dB for f ≤ 860 MHz		
Mask filtering	ATV 8 MHz	ATV 8 MHz	ATV 6 MHz
Average input power	≤ 5 kW ≙ 7/0.7 kW	≤ 5 kW ≙ 7/0.7 kW	≤ 5 kW ≙ 7/0.7 kW
Tuning instruction	Standard G: AS4025 Standard K: AS4015	Standard I: AS4017	Standard M, N: AS4024
Insertion loss & mask filtering (alternative tuning on request)	$f_{(V)} - \Delta > 30.0 \text{ dB}$ $f_{(V)} - 0.75 \text{ MHz} \leq 0.35 \text{ dB}$ $f_{(V)} \leq 0.25 \text{ dB}$ $f_{(S)} = f_{(V)} + \Delta \leq 0.25 \text{ dB}$ $f_{(V)} + 2\Delta > 30.0 \text{ dB}$	$f_{(V)} - \Delta > 30.0 \text{ dB}$ $f_{(V)} - 0.75 \text{ MHz} \leq 0.35 \text{ dB}$ $f_{(V)} \leq 0.30 \text{ dB}$ $f_{(S)} = f_{(V)} + \Delta \leq 0.30 \text{ dB}$ $f_{(V)} + 2\Delta > 30.0 \text{ dB}$	$f_{(V)} - \Delta > 40.0 \text{ dB}$ $f_{(V)} - 0.75 \text{ MHz} \leq 0.35 \text{ dB}$ $f_{(V)} \leq 0.30 \text{ dB}$ $f_{(S)} = f_{(V)} + \Delta \leq 0.30 \text{ dB}$ $f_{(V)} + 2\Delta > 40.0 \text{ dB}$
VSWR (passband range)		$f_{(V)} - 0.75 \text{ MHz} \leq 1.10$ $f_{(V)} \leq 1.06$ $f_{(S)} = f_{(V)} + \Delta \leq 1.06$	
Temperature stability	≤ 2 kHz / K		
Connectors	1 5/8" EIA male		
Dimensions (L x W x H) mm	387 x 326 x 412		
Weight	≈ 22 kg		
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		