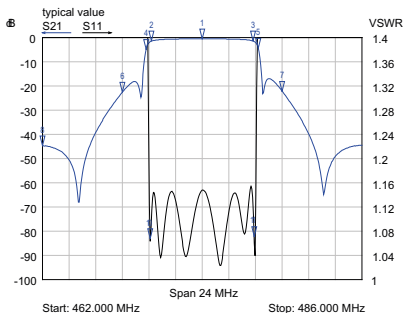
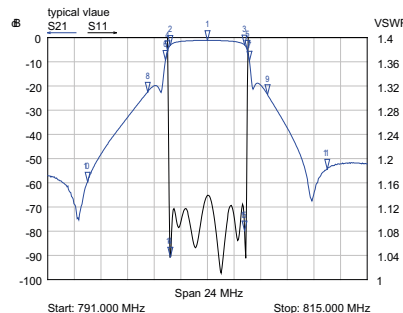


100 W - 130 W UHF DTV Bandpass Filter

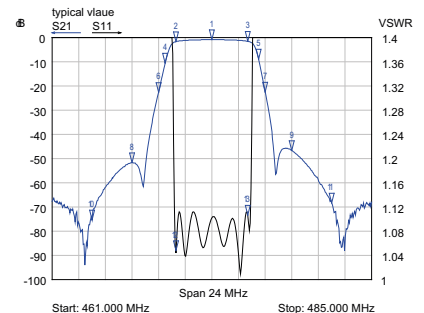
- Mask filter for ATV and DTV
- For 6, 7 and 8 MHz channel bandwidth
- With cross coupling (notch function)
- Tuneable within whole UHF range
- Temperature compensated
- DC block
- Installation horizontally or vertically
- Low profile design



Typical diagram AS6361



Typical diagram AS6368



Typical diagram AS6362

Part Number	BN 616660C1025								
Frequency range	470 - 860 MHz								
Number/size of cavities	6/40								
Harmonics attenuation	≥ 50 dB for $f \leq 1400$ MHz								
TV standard	DVB-T @ 8 MHz ($\dot{U}/U_{rms} = 13$ dB)		ISDB-T @ 6 MHz ($\dot{U}/U_{rms} = 13$ dB)		ATSC 1.0 @ 6 MHz ($\dot{U}/U_{rms} = 11$ dB)				
Average input power	≤ 130 W		≤ 100 W		≤ 100 W				
Tuning instruction	AS6361		AS6368		AS6362				
Insertion loss & mask filtering (alternative tuning on request)	470 MHz	860 MHz	470 MHz	803 MHz	470 MHz	803 MHz			
	f_0	≤ 0.7 dB	≤ 0.9 dB	f_0	≤ 1.0 dB	≤ 1.3 dB	f_0	≤ 1.2 dB	≤ 1.7 dB
	$f_0 \pm 3.805$	≤ 1.9 dB	≤ 2.4 dB	$f_0 \pm 2.79$	≤ 2.6 dB	≤ 3.2 dB	$f_0 \pm 2.69$	≤ 2.2 dB	≤ 2.6 dB
	$f_0 \pm 3.885$	≤ 2.2 dB	≤ 2.7 dB	$f_0 \pm 3.00$	≥ 4 dB		$f_0 \pm 3.25$	≥ 4 dB	
	$f_0 \pm 4.2$	≥ 4 dB		$f_0 \pm 3.15$	≥ 8 dB		$f_0 \pm 3.50$	≥ 8 dB	
	$f_0 \pm 6.0$	≥ 20 dB		$f_0 \pm 4.50$	≥ 22 dB		$f_0 \pm 4.0$	≥ 15 dB	
	$f_0 \pm 12.0$	≥ 40 dB		$f_0 \pm 9.00$	≥ 50 dB		$f_0 \pm 6.0$	≥ 40 dB	
				$f_0 \pm 15.0$	≥ 50 dB		$f_0 \pm 9.0$	≥ 65 dB	
VSWR (passband range)	≤ 1.15		≤ 1.15		≤ 1.15				
Group delay variation	$\Delta\tau \leq 350$ ns		$\Delta\tau \leq 350$ ns		$\Delta\tau \leq 200$ ns				
Temperature stability	≤ 2 kHz / K								
Connector	7-16 female								
Dimensions (L x W x H) mm	185 x 94 x 170								
Weight	≈ 2.8 kg								
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.								