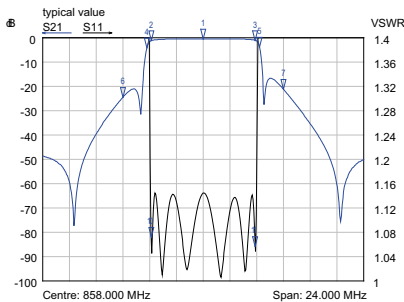
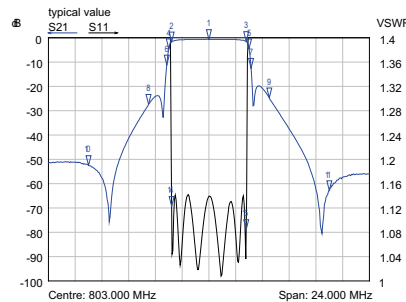


## 1.3 kW - 1.6 kW UHF DTV Bandpass Filters

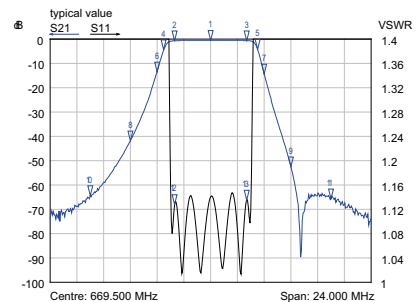
- Mask filters for ATV and DTV
- For 6, 7 and 8 MHz channel bandwidth
- With cross coupling (notch function)
- Tuneable within whole UHF range
- Temperature compensated
- DC block
- Installation horizontally or vertically
- Low profile design



Typical diagram AS6224



Typical diagram AS6229



Typical diagram AS6228

Part Number	BN 616663C1031		BN 616663C1033	
Frequency range	470 - 860 MHz			
Number/size of cavities	6/120			
Harmonics attenuation	≥ 50 dB for f ≤ 1100 MHz			
<b>TV standard</b>	DVB-T @ 8 MHz ( $\dot{U}/U_{rms} = 13$ dB)		ISDB-T @ 6 MHz ( $\dot{U}/U_{rms} = 13$ dB)	
Average input power	≤ 1.6 kW		≤ 1.3 kW	
Tuning instruction	AS6224		AS6229	
Insertion loss & mask filtering (alternative tuning on request)	470 MHz 860 MHz		470 MHz 803 MHz	
	$f_0$	≤ 0.3 dB ≤ 0.4 dB	$f_0$	≤ 0.35 dB ≤ 0.5 dB
	$f_0 \pm 3.805$	≤ 0.8 dB ≤ 1.1 dB	$f_0 \pm 2.79$	≤ 1.10 dB ≤ 1.4 dB
	$f_0 \pm 3.885$	≤ 0.9 dB ≤ 1.3 dB	$f_0 \pm 3.00$	≥ 3 dB
	$f_0 \pm 4.2$	≥ 4 dB	$f_0 \pm 3.15$	≥ 5 dB
	$f_0 \pm 6.0$	≥ 20 dB	$f_0 \pm 4.50$	≥ 17 dB
	$f_0 \pm 12.0$	≥ 40 dB	$f_0 \pm 9.00$	≥ 38 dB
		$f_0 \pm 15.0$	≥ 48 dB	
VSWR (passband range)	≤ 1.15		≤ 1.15	
Group delay variation	$\Delta\tau \leq 350$ ns		$\Delta\tau \leq 450$ ns	
Temperature stability	≤ 2 kHz / K			
Connector	1 5/8" SMS unflanged		1 5/8" EIA	
Dimensions (L x W x H) mm	463 x 300 x 277		480 x 300 x 277	
Weight	≈ 20 kg			
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.			