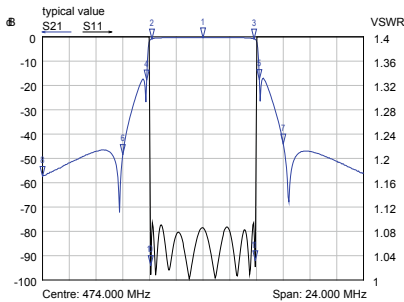


3.2 kW - 12.5 kW UHF DTV Bandpass Filters

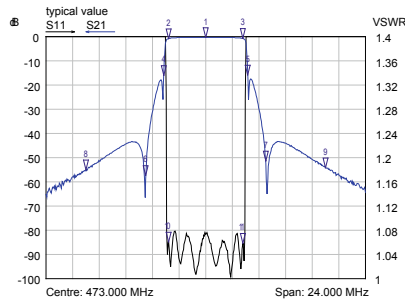
- Mask filters for DTV and ATV
- For 6, 7 and 8 MHz channel bandwidth
- With cross coupling (notch function)
- Tuneable within the whole UHF range
- Temperature compensated
- Installation horizontally or vertically
- DC block
- Natural, fan or liquid cooling



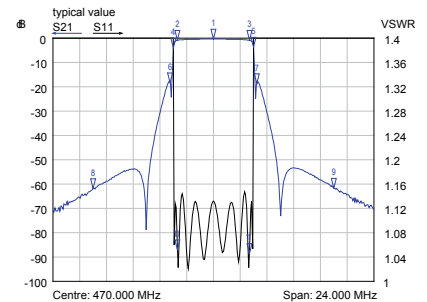
Bandpass Filters



Typical diagram AS8067



Typical diagram AS8074



Typical diagram AS8066

Part Number Connector	BN 616544C1033 1 5/8" EIA	BN 616544C2033 1 5/8" EIA BN 616544C2041 3 1/8" SMS Unflanged BN 616544C2043 3 1/8" EIA	BN 616544C4033 1 5/8" EIA BN 616544C4041 3 1/8" SMS Unflanged BN 616544C4043 3 1/8" EIA
Cooling	Natural Cooling	Liquid Cooling	Fan Cooling
Frequency range	470 - 860 MHz		
Number/size of cavities	8/200		
Harmonics attenuation	≥ 50 dB for f ≤ 860 MHz		
Mask filtering	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 The input power of forced cooled filters must be reduced if installed more than 500 m above sea level.	≤ 4 kW natural cooling ≤ 7 kW forced cooling 1 5/8" input forced cooling 3 1/8" input ≤ 12.5 kW @ 0 - 500 m ≤ 10 kW @ 2000 m ≤ 8 kW @ 3200 m	≤ 3.2 kW natural cooling ≤ 7 kW forced cooling 1 5/8" input forced cooling 3 1/8" input ≤ 10 kW @ 0 - 500 m ≤ 8 kW @ 2000 m ≤ 6 kW @ 3400 m	≤ 3.2 kW natural cooling ≤ 7 kW forced cooling 1 5/8" input forced cooling 3 1/8" input ≤ 10 kW @ 0 - 500 m ≤ 8 kW @ 2000 m ≤ 6 kW @ 3400 m
Tuning instruction	AS8067 470 MHz 860 MHz	AS8074 470 MHz 803 MHz	AS8066 470 MHz 820 MHz
Insertion loss & mask filtering (alternative tuning on request)	f_0 ≤ 0.3 dB ≤ 0.4 dB $f_0 \pm 3.805$ ≤ 0.9 dB ≤ 1.3 dB $f_0 \pm 3.885$ ≤ 1.4 dB ≤ 1.6 dB $f_0 \pm 4.2$ ≥ 15 dB $f_0 \pm 6.0$ ≥ 40 dB $f_0 \pm 12.0$ ≥ 55 dB	f_0 ≤ 0.35 dB ≤ 0.4 dB $f_0 \pm 2.79$ ≤ 1.10 dB ≤ 1.4 dB $f_0 \pm 3.15$ ≥ 15 dB $f_0 \pm 4.5$ ≥ 30 dB $f_0 \pm 9.0$ ≥ 55 dB	f_0 ≤ 0.4 dB ≤ 0.45 dB $f_0 \pm 2.69$ ≤ 0.9 dB ≤ 1.20 dB $f_0 \pm 3.00$ ≥ 4 dB $f_0 \pm 3.25$ ≥ 18 dB $f_0 \pm 9.00$ ≥ 64 dB
VSWR (passband range)	≤ 1.10	≤ 1.09	≤ 1.10
Group delay variation	$\Delta\tau \leq 700$ ns	$\Delta\tau \leq 500$ ns	$\Delta\tau \leq 400$ ns
Temperature stability	≤ 2 kHz / K		
Dimensions (L x W x H) mm	≈ 893 x 450 x 440		
Weight	≈ 65 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 x 1 mm unflanged ending straight at the rear side	Power supply for fans: 24 V DC / typ. 25 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“.		