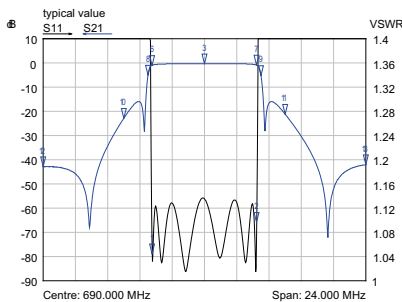
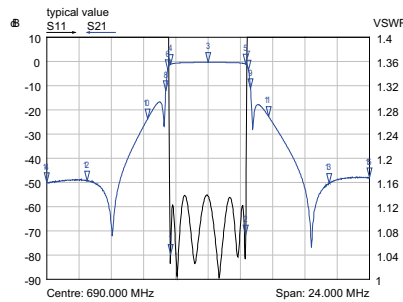


3 kW - 7.5 kW UHF DTV Bandpass Filters

- 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
- DC block
- Installation horizontally or vertically
- Low profile design
- Natural, fan or liquid cooling



Typical diagram AS6548



Typical diagram AS6549

Part Number	BN 616576C1031	BN 616576C2031	BN 616576C4031
Connector	1 5/8" SMS Unflanged BN 616576C1033 1 5/8" EIA	1 5/8" SMS Unflanged BN 616576C2033 1 5/8" EIA BN 616576C2041 3 1/8" SMS Unflanged BN 616576C2043 3 1/8" EIA	1 5/8" SMS Unflanged BN 616576C4033 1 5/8" EIA BN 616576C4041 3 1/8" SMS Unflanged BN 616576C4043 3 1/8" EIA
Cooling	Natural Cooling	Liquid Cooling	Fan Cooling
Frequency range	470 - 700 MHz		
Number/size of cavities	6/171		
Harmonics attenuation	≥ 50 dB for f ≤ 1000 MHz		
Mask filtering	DVB-T @ 8 MHz ($\dot{U}/U_{rms} = 13$ dB)	ISDB-T @ 6 MHz ($\dot{U}/U_{rms} = 13$ dB)	
Average input power	≤ 3.75 kW natural cooling ≤ 7.0 kW forced cooling 1 5/8" ≤ 7.5 kW forced cooling 3 1/8"	≤ 3.0 kW natural cooling ≤ 6.0 kW forced cooling	
Tuning instruction	AS6548	AS6549	
Insertion loss & mask filtering (alternative tuning on request)	470 MHz 700 MHz	470 MHz 700 MHz	
f_0	≤ 0.25 dB ≤ 0.35 dB	f_0 ≤ 0.40 dB ≤ 0.50 dB	
$f_0 \pm 3.805$	≤ 0.75 dB ≤ 0.90 dB	$f_0 \pm 2.79$ ≤ 1.05 dB ≤ 1.25 dB	
$f_0 \pm 3.885$	≤ 0.90 dB ≤ 1.00 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	$f_0 \pm 4.5$ ≥ 17 dB	
$f_0 \pm 12.0$	≥ 40 dB	$f_0 \pm 9.0$ ≥ 38 dB $f_0 \pm 15.0$ ≥ 48 dB	
VSWR (passband range)	≤ 1.15	≤ 1.15	
Group delay variation	$\Delta\tau$ ≤ 350 ns	$\Delta\tau$ ≤ 400 ns	
Temperature stability	≤ 2 kHz / K		
Dimensions (L x W x H) mm	≈ 559 x 352 x 330		
Weight	≈ 29 kg		
Coolant/flow rate	–	Mix: glycol and water BN 154567 / ≥ 3 l/min	Air
Temperature of the coolant	–	10 °C - 55 °C	
Cooling interface	–	Stainless steel tube 12 x 1 mm unflanged ending straight at connector side (on request: ending straight or upwards at rear side)	Power supply for fans: 24 V DC Typ. 17 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“.		