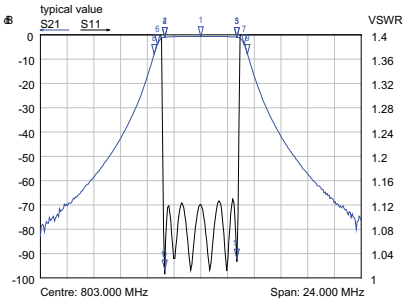
2.25 KW UHF DTV BANDPASS FILTER

- mask filter for ATSC
- for 6, 7 and 8 MHz channel bandwidth
- without cross coupling
- tuneable within whole UHF range
- temperature compensated
- DC block
- installation horizontally or vertically



Typical diagram AS6081

Part number	**BN 61 65 72**
Frequency range	470 - 860 MHz
Number / Size of cavities	**6 / 150**
Harmonics attenuation	≥ 50 dB for f ≤ 860 MHz
TV standard	ATSC @6 MHz ($\hat{U}/U_{rms}$ = 11 dB)
Average input power	**≤ 2.25 kW**
Tuning instruction	AS6081
Insertion loss & Mask filtering (alternative tuning on request)	470 MHz 803 MHz f_0 ≤ 0.55 dB ≤ 0.75 dB $f_0 \pm 2.69$ ≤ 0.80 dB ≤ 1.00 dB $f_0 \pm 3.00$ ≤ 2.00 dB ≤ 2.30 dB $f_0 \pm 3.25$ ≥ 3 dB $f_0 \pm 3.50$ ≥ 8 dB $f_0 \pm 4.00$ ≥ 15 dB $f_0 \pm 6.00$ ≥ 40 dB $f_0 \pm 9.00$ ≥ 65 dB
VSWR (pass band range)	≤ 1.15
Group delay variation	$\Delta\tau \leq 200$ ns
Temperature stability	≤ 2 kHz / K
Connectors	1 5/8" EIA male
Dimensions (L x W x H) mm	528 x 326 x 411
Weight	ca. 29 kg
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“