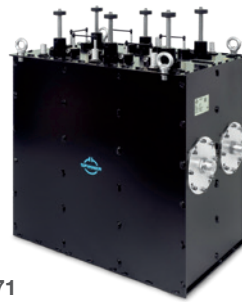


1.5 kW - 1.6 kW Band 3 DAB/T-DMB Bandpass Filters

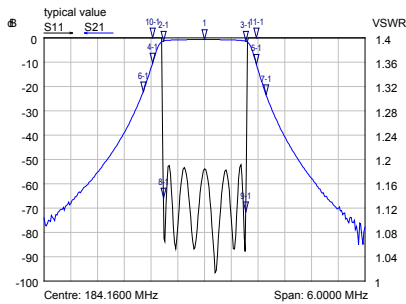
- Mask filters for DAB and T-DMB
- For 1.54 MHz block bandwidth
- Tuneable within band 3
- Temperature compensated
- DC block
- Installation standing



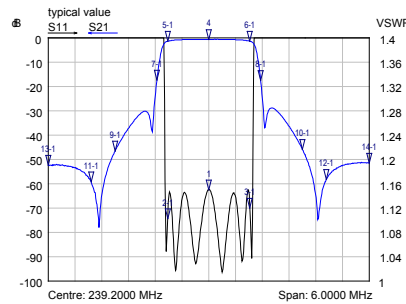
BN 617171



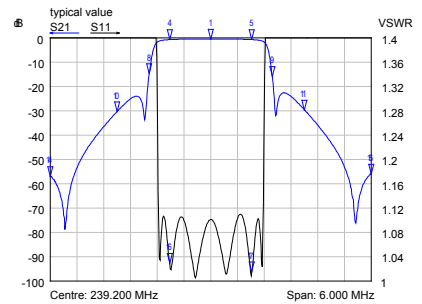
BN 617144



Typical diagram AS6010



Typical diagram AS6137



Typical diagram AS6149

Part Number Filter Design	BN 617171 Without Cross Coupling	BN 617144 With Cross Coupling	BN 617145 With Cross Coupling
Frequency range	170 - 240 MHz		215 - 240 MHz
Number/size of cavities	6/150		
Harmonics attenuation	≥ 50 dB for $f \leq 500$ MHz		
Mask filtering	DAB / T-DMB @ 1.54 MHz ($\dot{U}/U_{ms} = 13$ dB)		
Average input power	≤ 1.5 kW	≤ 1.6 kW	≤ 1.6 kW
Tuning instruction	AS6010	AS6137	AS 6149
Insertion loss & mask filtering (alternative tuning on request)	$f_0 \leq 0.9$ dB $f_0 \pm 0.77 \leq 1.5$ dB $f_0 \pm 0.97 \geq 8.0$ dB $f_0 \pm 1.75 \geq 43.0$ dB $f_0 \pm 2.20 \geq 53.0$ dB $f_0 \pm 3.00 \geq 73.0$ dB	$f_0 \leq 0.65$ dB $f_0 \pm 0.77 \leq 1.50$ dB $f_0 \pm 0.97 \geq 15.0$ dB $f_0 \pm 1.75 \geq 45.0$ dB $f_0 \pm 2.20 \geq 58.0$ dB $f_0 \pm 3.00 \geq 50.0$ dB	$f_0 \leq 0.55$ dB $f_0 \pm 0.77 \leq 0.80$ dB $f_0 \pm 0.97$ n.d. $f_0 \pm 1.75 \geq 15.0$ dB $f_0 \pm 2.20 \geq 40.0$ dB $f_0 \pm 3.00 \geq 50.0$ dB
VSWR (passband range)	≤ 1.22	≤ 1.15	≤ 1.15
Group delay variation	$\Delta\tau \leq 700$ ns	$\Delta\tau \leq 1000$ ns	$\Delta\tau \leq 400$ ns
Temperature stability	≤ 1 kHz / K		
Connectors	7-16 female		
Dimensions (L x W x H) mm	465 x 326 x 680	461 x 326 x 680	495 x 325 x 476
Weight	≈ 40 kg		
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		