

2.7 kW - 7.1 kW Band 3 ATV Bandpass Filters

- Mask filters for ATV and DTV
- For 6, 7 and 8 MHz channel bandwidth
- With cross coupling (notch function)
- Tuneable within band 3
- Temperature compensated
- DC block
- Installation horizontally or vertically

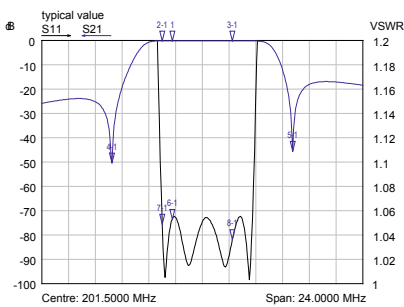


BN 616364

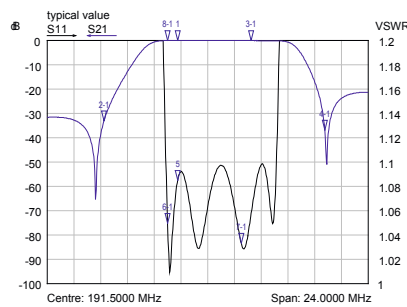


BN 616365

Bandpass Filters



Typical diagram AS4013



Typical diagram AS4010

Part Number	BN 616365	BN 616364
Frequency range	167 - 254 MHz	
Number/size of cavities	4/150	
Mask filtering	ATV	ATV
Average input power	≤ 2.7 kW ≡ 3.5/0.35 kW BN 616365 ≤ 7.1 kW ≡ 10.0/1.0 kW BN 616364	≤ 2.7 kW ≡ 3.5/0.35 kW BN 616365 ≤ 7.1 kW ≡ 10.0/1.0 kW BN 616364
Tuning instruction	Standard D: AS4027 Standard I: AS4019	Standard M: AS4013 Standard B: AS4010
Insertion loss & mask filtering (alternative tuning on request)	$f_{(V)} - \Delta > 30.0 \text{ dB}$ $f_{(V)} - 0.75 \text{ MHz} \leq 0.20 \text{ dB}$ $f_{(V)} \leq 0.20 \text{ dB}$ $f_{(S)} = f_{(V)} + \Delta \leq 0.20 \text{ dB}$ $f_{(V)} + 2\Delta > 30.0 \text{ dB}$	$f_{(V)} - \Delta > 30.0 \text{ dB}$ $f_{(V)} - 0.75 \text{ MHz} \leq 0.25 \text{ dB}$ $f_{(V)} \leq 0.25 \text{ dB}$ $f_{(S)} = f_{(V)} + \Delta \leq 0.25 \text{ dB}$ $f_{(V)} + 2\Delta > 30.0 \text{ dB}$
VSWR (passband range)	$f_{(V)} - 0.75 \text{ MHz} \leq 1.15$ $f_{(V)} \leq 1.10$ $f_{(S)} = f_{(V)} + \Delta \leq 1.10$	$f_{(V)} - 0.75 \text{ MHz} \leq 1.15$ $f_{(V)} \leq 1.10$ $f_{(S)} = f_{(V)} + \Delta \leq 1.10$
Group delay variation	$\Delta\tau \leq 30 \text{ ns}$	$\Delta\tau \leq 30 \text{ ns}$
Temperature stability	$\leq 2 \text{ kHz} / \text{K}$	
Connectors	7-16 female	1 5/8" EIA
Dimensions (L x W x H) mm	323 x 295 x 745	408 x 347 x 762
Weight	≈ 38 kg	≈ 38 kg
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.	