BPF-250

Introducing BPF-250
FM Bandpass Filter for VHF spurious reduction

A 2-chamber helical bandpass filter for spurious reduction on busy FM transmitting sites. capable of handling 250 Watts RF comfortably. Compact design with N-type female connectors.

BENEFITS:

- Eliminate interference problems on shared sites powerfully and easily
- Dramatically cuts intermodulation products when two FM transmitters operate from one site
- Maintains radiated power with very low insertion loss
- Maintains transmitter load match with superb return loss
- Maintains reliable FM transmission (generous rating in design and manufacture)

APPLICATIONS:

- FM Transmitters and FM transmission sites at VHF
- Bandpass FM filtering
- Band Pass FM combiners and diplexers

FEATURES:

- Generous rating comfortably handles 250W RF power even with antenna mismatch
- Very low insertion loss typically -0.4dBr or less at centre frequency +/-200kHz
- Very good return loss, typically better than -30dBr over +/-200kHz
- see overleaf for typical band pass filter characteristics
- Standard availability 28 days
- Premium delivery service (optional extra) - 10 days or less availability

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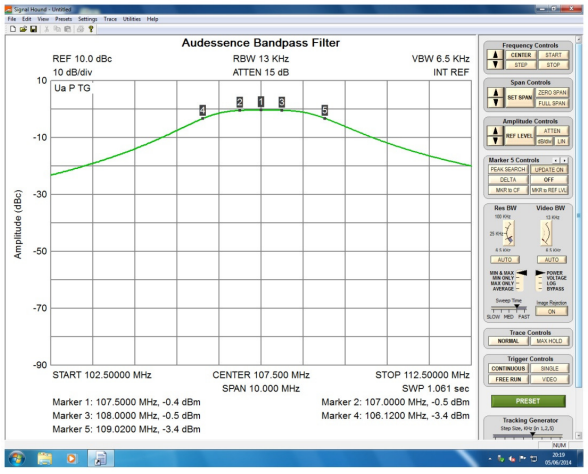
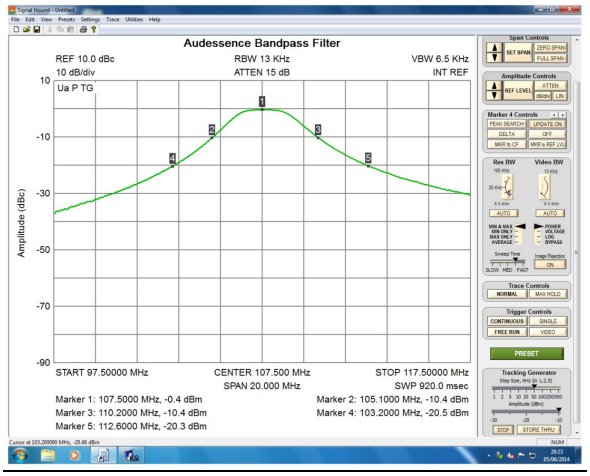
SPECIFICATIONS

Typical performance curves for nominal 107.5MHz filter:

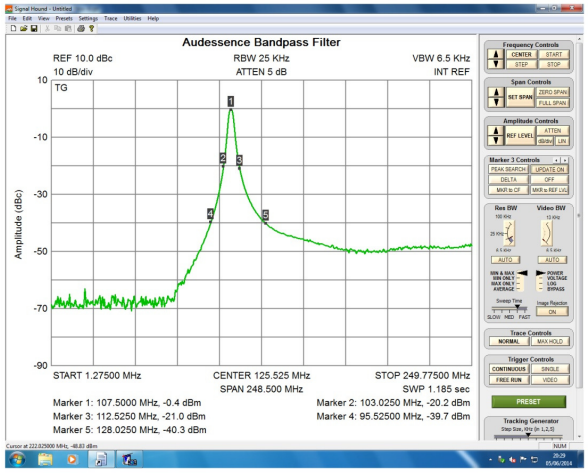
Pass band



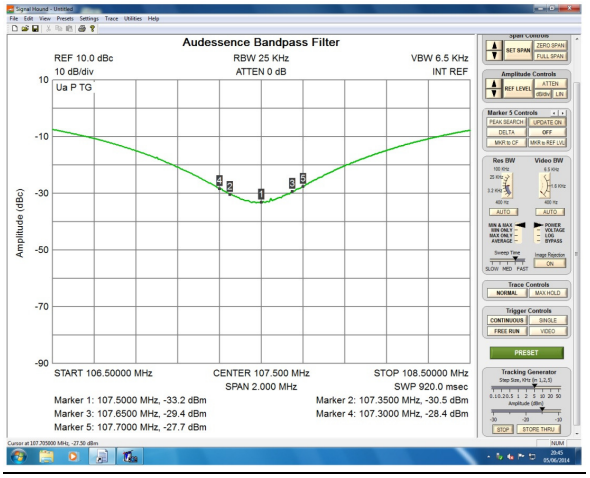
Transition band



Stop Band



Return Loss



Power Handling:
250 Watts CW nominal, generously rated

Insertion Loss:
<-0.5dB, typically -0.4dB

Connectors:
N-Type female connectors on filter, silver plated

Centre Frequency:
Specify at time of ordering: 87.5 to 108MHz
(Other frequencies: please ask)

Dimensions:
Main outline 217 x 147 x 74 mm
With connectors & stubs 255 x 207max x 74 mm

Materials:
Resonators: 3.25mm thickwall copper tube
Formers: Machined PTFE

Warranty:
3 year return-to-base warranty

Approvals:
CE (EMC & LVD), RoHS

Standard lead-time is 28 days
Premium delivery option can normally be delivered within 10 days, please ask for details & prices.