# Band-Pass Filter for 300 - 500 MHz

## DESCRIPTION

- BPF 300-500 is an LC band-pass filter.
- Allows the whole 300 - 500 MHz band to pass.
- Can be used as a preselector to protect a receiver against interferences from transmitters normally being outside the band-pass range.
- BPF 300-500 can be mounted as a preselector directly inside the PRO-AR4G-N, PRO-AR8G-N and the PRO-AR16G-N receiver multicouplers.
- Very small dimensions, mounted in a 45 x 50 mm case.
- FME-connectors for easy and handy interconnections.
- Also available with TNC(f), BNC(f) or SMA(f) connectors.
- BPF 300-500 is coated with black vinyl to prevent corrosion.

## SPECIFICATIONS

| Electrical | |
|---|---|
| Model | BPF 300-500 |
| Frequency | 300 - 500 MHz |
| Max. Input Power | 35 W |
| Insertion Loss | ≤ 1.0 dB typ. ≤ 0.7 dB |
| Impedance | 50 Ω |
| Reject Attenuation | See curves |
| VSWR | < 1.5:1 |
| Bandwidth | 200 MHz |

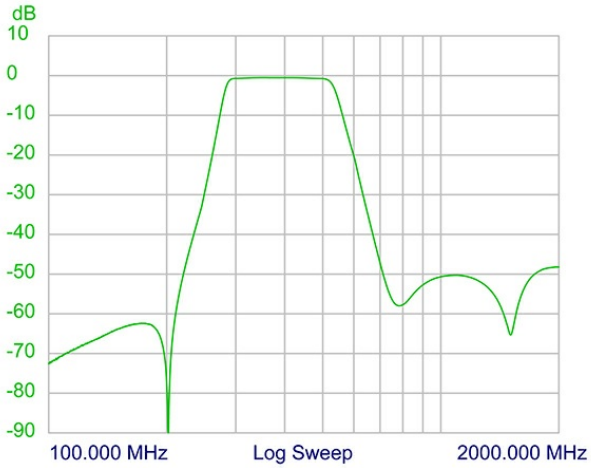
| Mechanical | |
|---|---|
| Connection(s) | FME(m), TNC(f), BNC(f) or SMA(f) |
| Dimensions | FME(m):<br>50 x 21 x 48 mm /<br>1.97 x 0.83 x 1.89 in. (incl. conn.)<br><br>TNC(f), BNC(f), SMA(f):<br>50 x 21 x 52 mm /<br>1.97 x 0.83 x 2.05 in. (incl. conn.) |
| Weight | Approx. 0.06 kg / 0.13 lb. |

| Environmental | |
|---|---|
| Operating temperature range | -30 °C to +60 °C |

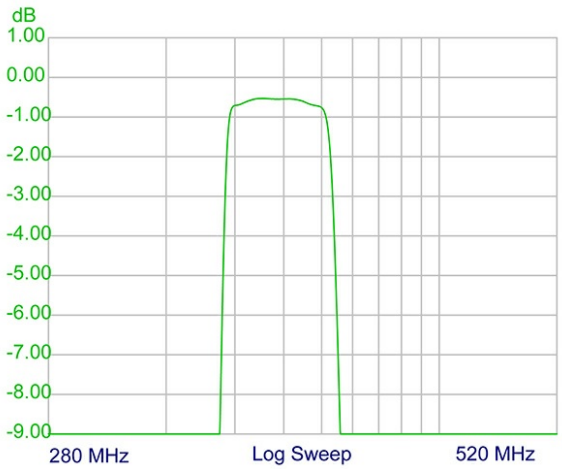
## ORDERING

| Model | Product No. |
|---|---|
| BPF 300-500 FME(m) | 200000897 |
| BPF 300-500 TNC(f) | 200001715 |
| BPF 300-500 BNC(f) | 200002077 |
| BPF 300-500 SMA(f) | 200002015 |

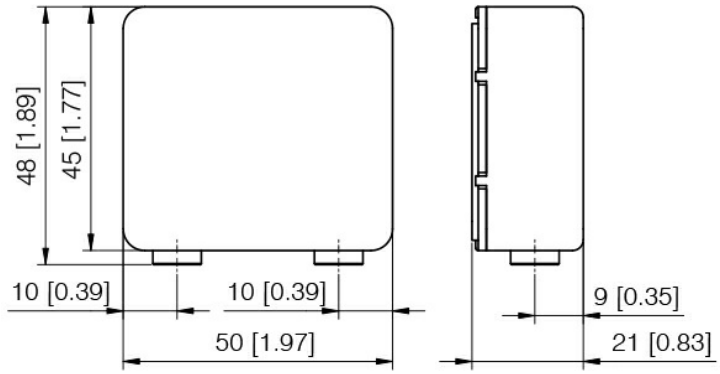
## TYPICAL RESPONSE CURVE




## TYPICAL RESPONSE CURVE (1 DB)

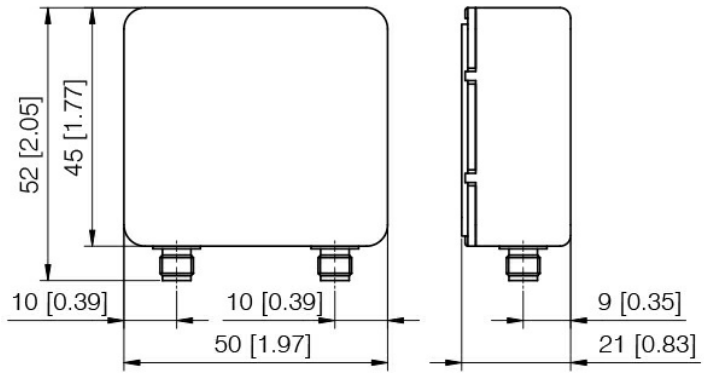



## MECHANICAL OUTLINE FOR FME(M)




All dimensions are given in mm [in.]

## MECHANICAL OUTLINE FOR TNC(F), BNC(F) OR SMA(F)




All dimensions are given in mm [in.]