

## Coaxial Low-Pass Filter for the 900 MHz Band

### DESCRIPTION

- Passes all signals in or below the 900 MHz band.
- Rejects signals above this range.
- Absolute stop band from 1640 MHz to 6 GHz  
- no degradation at harmonics (Zolotarev-characteristic).
- Attenuation in stop band better than 60 dB.
- Insertion loss in pass range less than 0.4 dB.
- Provided with brackets for panel mounting.



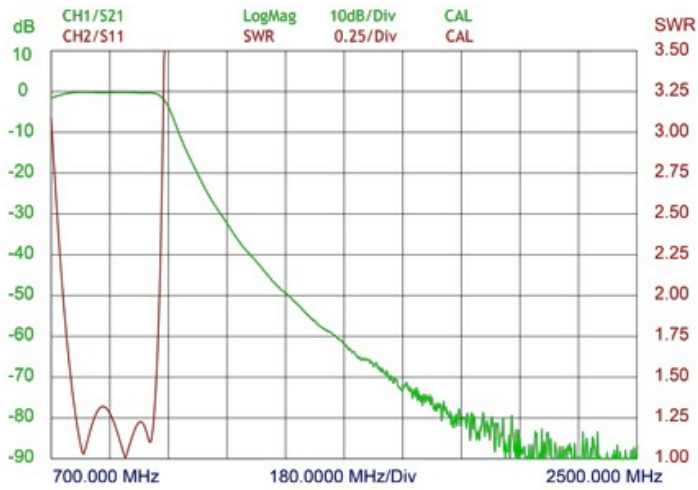
### SPECIFICATIONS

Electrical	
Model	LPZ 960
Filter Type	Low-pass filter for the 900 MHz band
Frequency	Pass band: 820 - 960 MHz Stop band: 1.64 - 6 GHz
Max. Input Power	150 W
1 dB Cut-Off Frequency	> 970 MHz
VSWR	< 1.75:1
Stop Band Attenuation	> 60 dB
Mechanical	
Connection(s)	N(f)
Dimensions	140 x 40 x 36 mm / 5.51 x 1.57 x 1.42 in.
Weight	Approx. 0.125 kg / 0.28 lb.
Environmental	
Operating temperature range	-30 °C to +80 °C

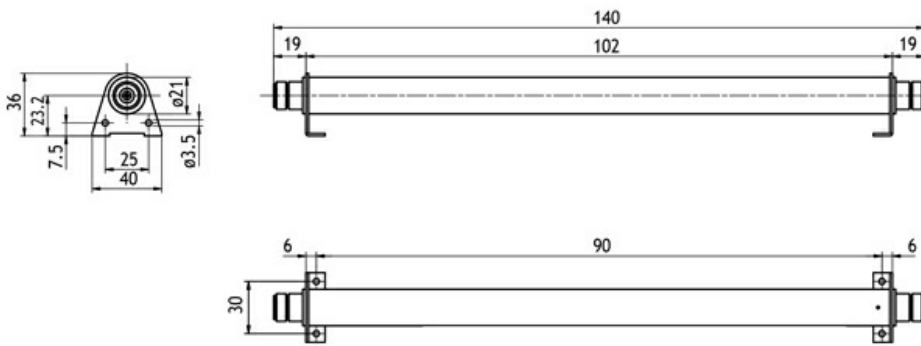
### ORDERING

Model	Product No.
LPZ 960	200001291

TYPICAL RESPONSE CURVE



MOUNTING DETAILS



The LPZ 960 is used to prevent RFI (Radio Frequency Interference) caused by excessive harmonic generation from transmitters operating in the 900 MHz band. By rejection, the filter reduces the amplitude of the harmonics and prevents them from being radiated by the antenna.

The filter is normally used in connection with base station transmitters, but as it is mechanically very ruggedly designed, it is perfectly suited for mobile and marine applications as well.

