

Coaxial Low-Pass Filter for the 1900 MHz Band

DESCRIPTION

- Passes all signals in or below the 1600 - 2100 MHz band.
- Rejects signals above this range.
- Absolute stop band from 3.2 GHz to 12.4 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.



ORDERING

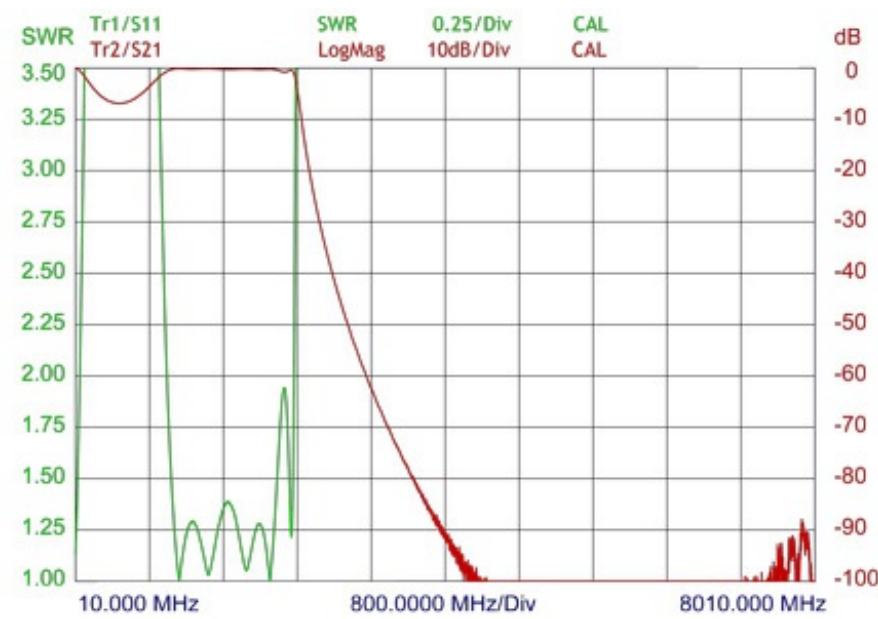
Model	Product No.
LPZ 1900	200001293

SPECIFICATIONS

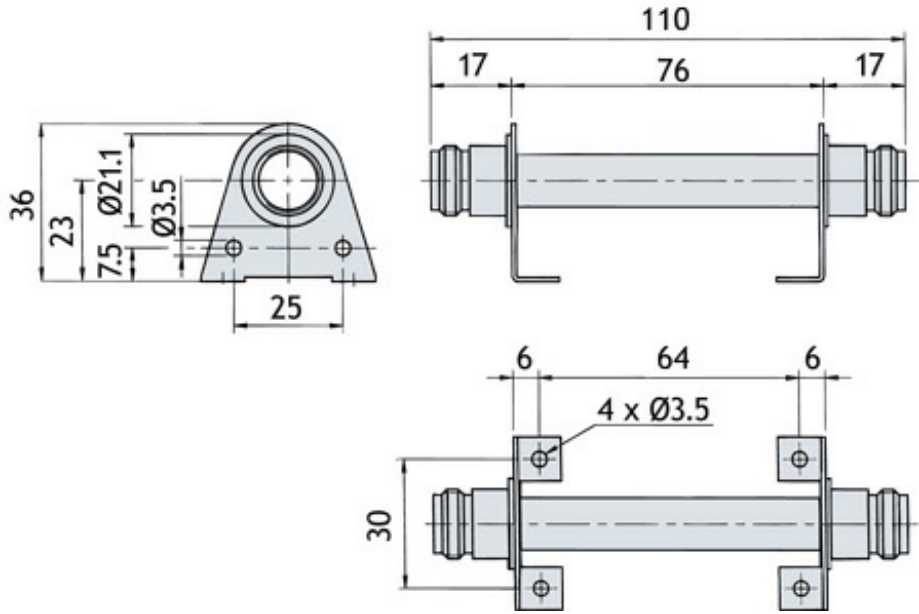
Electrical	
Model	LPZ 1900
Frequency	Pass band: 1600 - 2100 MHz Stop band: 3.2 - 12.4 GHz
Max. Input Power	150 W
Application	Low-pass filter for the 1900 MHz band
1 dB Cut-Off Frequency	> 2150 MHz
VSWR	< 1.5:1
Stop Band Attenuation	> 60 dB
Mechanical	
Connection(s)	N(f)
Dimensions	110 x 40 x 36 mm
Weight	0.08 kg / 0.18 lb
Environmental	
Operating Temperature Range	-30°C to +80°C

ADDITIONAL DATA

TYPICAL RESPONSE CURVES



MOUNTING DETAILS



The LPZ 1900 is used to prevent RFI (Radio Frequency Interference) caused by excessive harmonic generation from transmitters operating in the 1900 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.

