

100 W HP filter for the 118 - 520 MHz range

DESCRIPTION

- High Pass filter for protecting radios operating in the 118 - 520 MHz range from interference from high-power transmitters in the 0 - 108 MHz LMR and broadcast radio bands.
- High-order Chebychev design ensures very high flange steepness with high reject band attenuation.
- ANT port is DC grounded.
- High Power handling capability.
- Low insertion loss.
- Wide temperature range.
- Milled aluminium box ensures extraordinarily high mechanical strength.
- The filter is coated with black vinyl to prevent corrosion.
- N-connectors on all ports (standard).
- Also available with SMA(f), TNC(f) or BNC(f) connector types. (See ordering designations.)



SPECIFICATIONS

Electrical	
Model	PRO-HP-118-...
Frequency	0 - 520 MHz
Max. Input Power	100 W CW 30 W AM / 100 % mod.
Pass Range	118 - 520 MHz
Reject Range	0 - 108 MHz
Insertion Loss	≤ 1.0 dB
Impedance	50 Ω
Attenuation	≥ 27 dB
VSWR	< 1.5:1
Mechanical	
Connection(s)	N(f)
Dimensions	133 x 80 x 31 mm / 5.24 x 3.15 x 1.22 in.
Weight	Approx. 0.38 kg / 0.84 lb.
Environmental	
Operating Temperature Range	* -40° C to +60° C
Ingress Protection	IP64

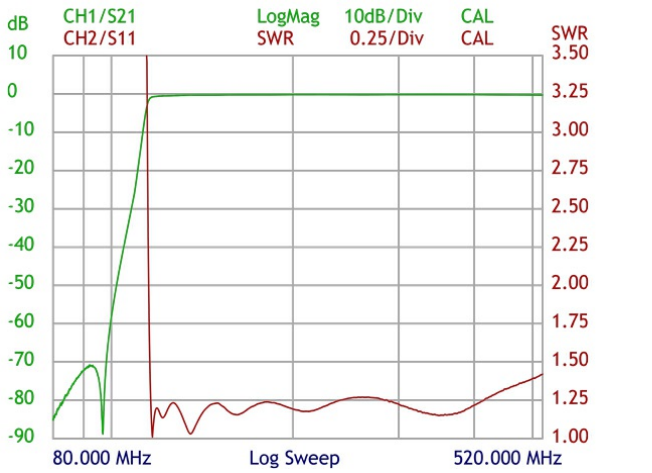
NOTE

* Temperature on box surface. Adequate cooling to keep max. temperature below +60° C must be provided.

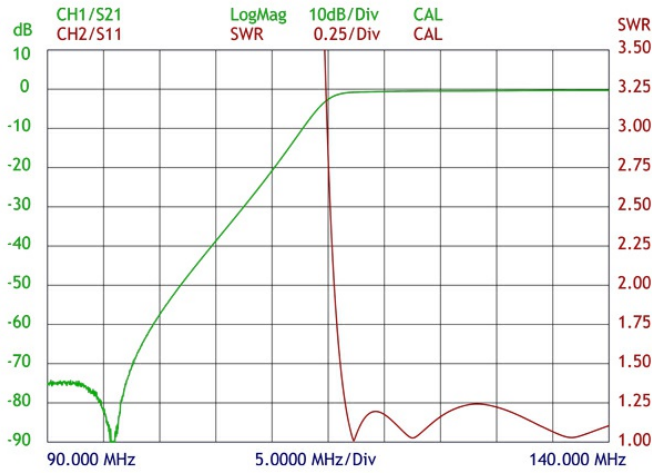
ORDERING

Model	Product No.
PRO-HP-118-N(f)	200002738
PRO-HP-118-SMA(f)	200002743
PRO-HP-118-TNC(f)	200002744
PRO-HP-118-BNC(f)	200002745

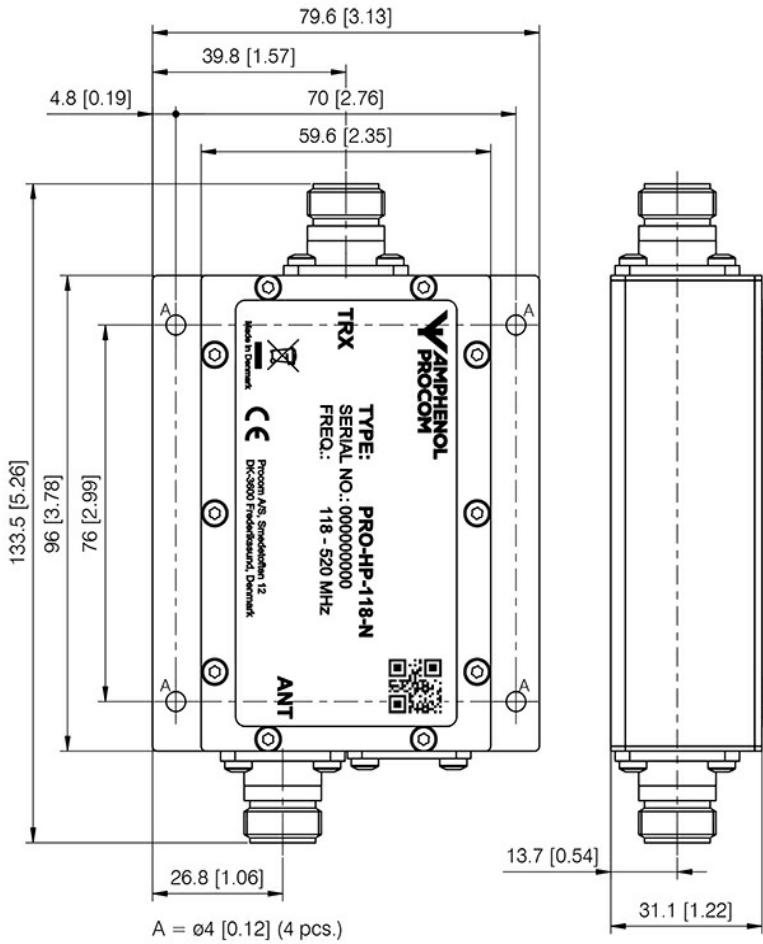
TYPICAL RESPONSE CURVES
S-PARAMETERS



REJECT CHARACTERISTIC



MOUNTING DETAILS



All dimensions are given in mm [in.]

