

# Microwavefilters® &



**Microwavefilters & TVC srl**

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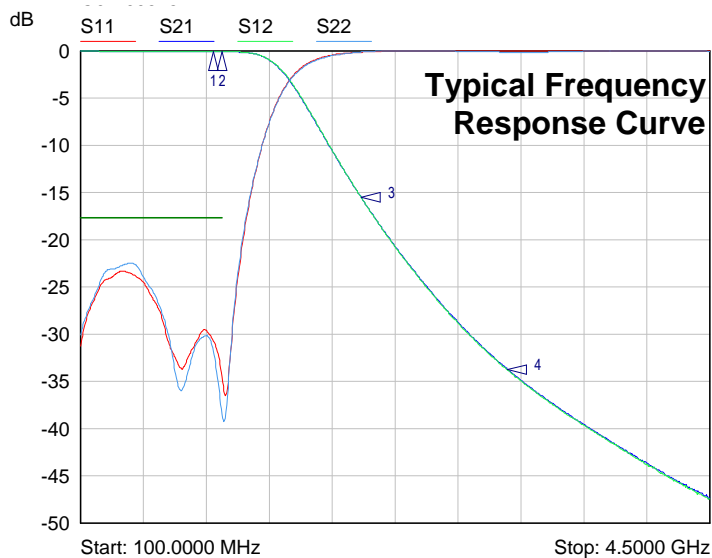
This new lowpass filter works from DC to 1.090 GHz and is designed to sustain high power (CW=250 W and Peak Power=4 kW). It is compact (82x40.5x30 mm, including heatsink and connectors) and low loss (IL is <0.3 dB).

## Lowpass Filter Characteristics (P/N CO-F00545-NPT)

Frequency range **DC ÷ 1090 MHz**  
 Insertion Loss **< 0.3 dB**  
 Return Loss **≥ 17.7 dB (VSWR 1.3: 1 max.)**  
 Rejection at 2060 MHz **≥ 15 dB**  
 Rejection at 3090 MHz **≥ 25 dB**  
 Temperature Range **-40 °C ÷ +85 °C**

Power Handling **250 W (CW), 4 kW (Peak)**  
 Dimensions **82 x 40.5 x 30 mm**  
 Input /Output Connectors **N-Male, N-Female**

Relative Humidity **Operating at 95% Rel. Humidity Room Temp.**  
 Vibration (sinusoidal) **Not operating, 10G, 5 to 200Hz, 3 axes**  
 Shock **Not operating 30G's, 11 msec, half sine, 3 shocks/axis. 3 axis. 2 directions**



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S21	1.0300 GHz	-0.09 dB	
2 ▽	S21	1.0900 GHz	-0.09 dB	
3 ▽	S21	2.0600 GHz	-15.46 dB	
4 ▽	S21	3.0900 GHz	-33.80 dB	