

# Microwavefilters® &

Wide Bandpass Filter  
(2 ÷ 3 GHz)



+ Lowpass Filter  
(DC ÷ 85 MHz)  
in the same package !

**Microwavefilters & TVC srl**

Via G. Cavalcanti, 10 - 20063 Cernusco s/N (MI) - ITALY  
Tel. +39-02-92162703 Fax. +39-02-92162705

[info@mw-tvc.com](mailto:info@mw-tvc.com) [www.mw-tvc.com](http://www.mw-tvc.com)

**BPF + LPF**

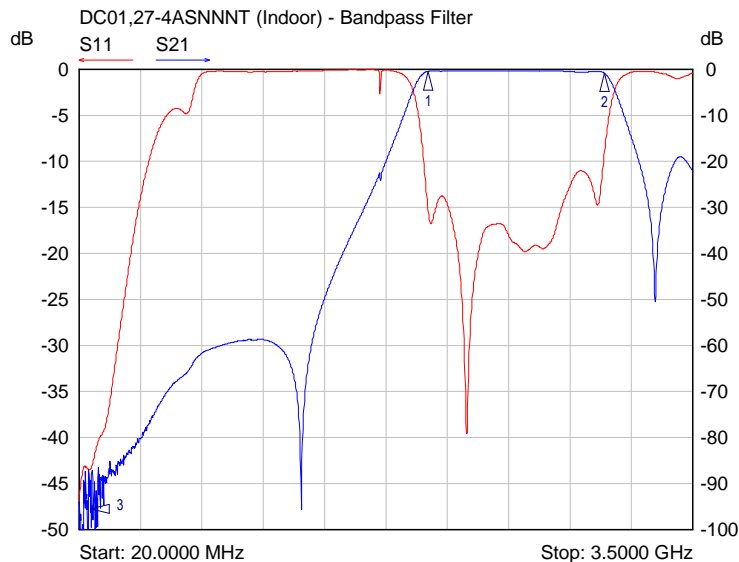
This new **Diplexer** is composed of a **Wide Bandpass Filter** (1 GHz Bandwidth at  $f_0 = 2.5$  GHz!) and of a **Lowpass Filter** from DC to 85 MHz. Both an indoor and an outdoor version are available. The feat is to have a T-junction that works well for both filters. Other noteworthy characteristics are reported below.

## Diplexer Characteristics

### MW01,27-4ASNNNT (indoor) & MW01,27A4ASNNNT (outdoor)

Lowpass Filter	<b>DC – 85 MHz</b>
Bandpass Filter	<b>2 – 3 GHz</b>
Return Loss (both filters)	<b>&gt; 12 dB</b>
Insertion Loss (both filters)	<b>&lt; 0.2 dB</b>
Lowpass Filter's Attenuation btw 2 – 3 GHz	<b>&gt; 60 dB</b>
Bandpass Filter's Attenuation btw DC – 85 MHz	<b>&gt; 60 dB</b>
Finishing	<b>Silverplating + Painting (only outdoor version)</b>

Dimensions	<b>mm 90 x 60 x 30</b>
Connectors (on all Ports)	<b>N-Female</b>



Mkr	Trace	X-Axis	Value	Notes
1 ▾	S21	2.0000 GHz	-0.43 dB	
2 ▾	S21	3.0000 GHz	-0.91 dB	
3 ▾	S21	85.0000 MHz	-95.45 dB	