

# Microwavefilters® &

Microwave components for telecommunication systems

## 8 GHz Bandpass Filters



**Microwavefilters & TVC srl**

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MW&TVC presents a new narrow bandpass filter (BW=10 MHz) with very low insertion loss (IL  $\leq 1.5$  dB over the whole pass-band). This noteworthy results is obtained thanks to maximized dimensions of resonators, tuned in 2<sup>nd</sup> harmonic.

### Bandpass Filter Characteristics

#### P/N MW-F07995-FNT

Central Frequency  $F_0$                     **7.995 GHz<sup>1</sup>**  
 Bandwidth BW                                **10 MHz**  
 Return Loss                                     **$\geq 19$  dB**  
 Insertion Loss in the Passband         **$\leq 1.5$  dB**

Attenuation @  $F_0 \pm 10$  MHz             **$\geq 6$  dB**  
 Attenuation @  $F_0 \pm 15$  MHz             **$\geq 16$  dB**

Dimensions                                    **142.3 x 47.8 x 47.8 mm**  
 Input/ Output Ports                        **N-Female Connector & UBR84 Flange**  
 Material                                        **INVAR**

<sup>1</sup> Other central frequencies are possible; please send an inquiry if you need different  $F_0$

