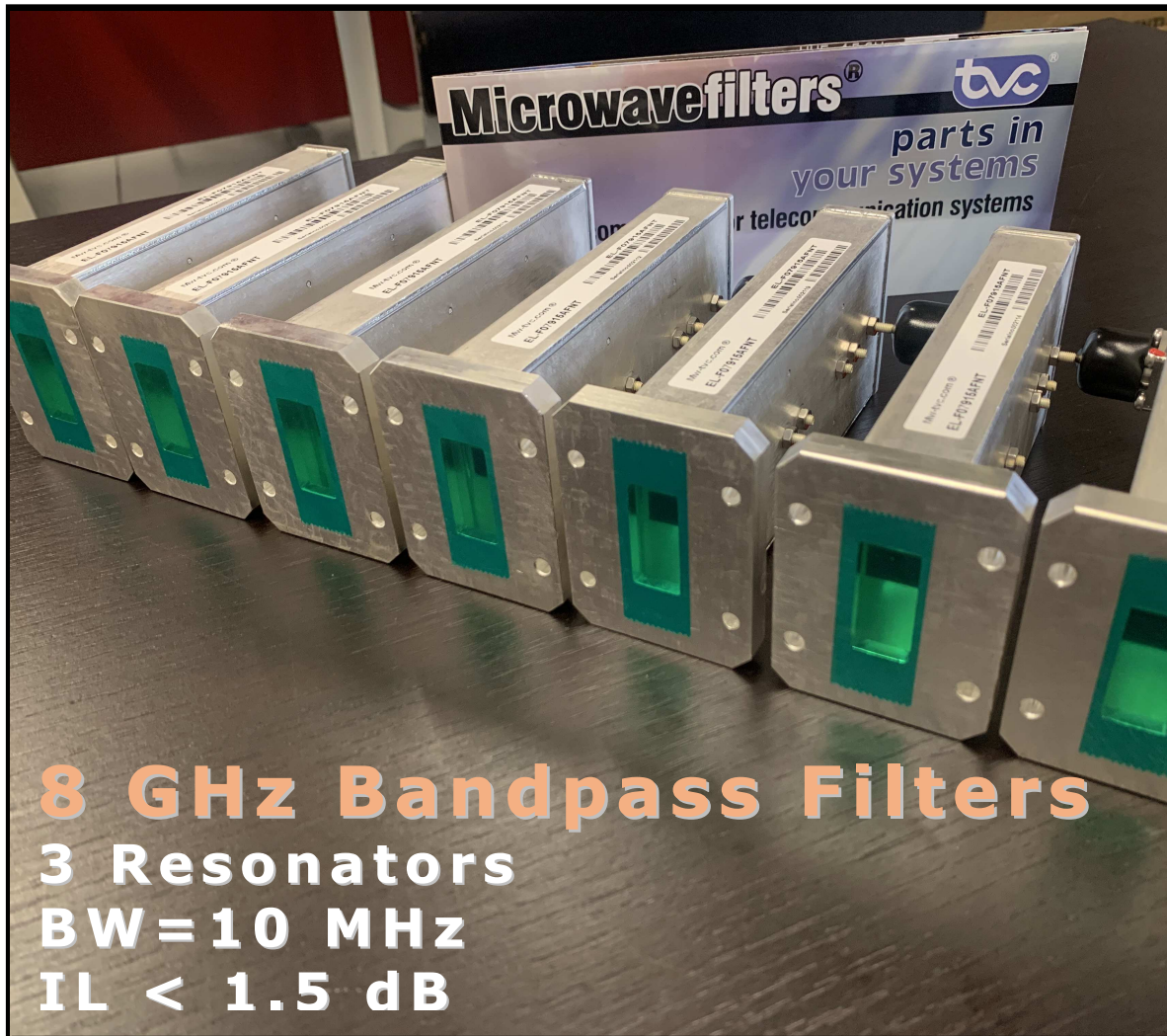


Microwavefilters® & ®

Microwave components for telecommunication systems



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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 2nd harmonic.

Bandpass Filter Characteristics

P/N MW-F0XXXXAFNT¹

Central Frequency F_0	Tunable from 7.905 GHz to 7.995 GHz
Bandwidth BW	10 MHz
Return Loss	≥ 20.8 dB
Insertion Loss in the Passband	≤ 1.5 dB

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

Dimensions	134 x 63.5 x 47.8 mm
Input/ Output Ports	N-Female Connector & UBR84 Flange
Material	INVAR

¹ "XXXX" is the central frequency in MHz.

