

Microwavefilters® &

Microwave components for telecommunication systems

8 GHz Bandpass Filters 5 Resonators



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 3.5 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-F0XXXXBFNT¹

Central Frequency F ₀	Tunable from 7.905 GHz to 7.995 GHz
Bandwidth BW	10 MHz
Return Loss	\geq 23 dB
Insertion Loss in the Passband	\leq 3.6 dB
Attenuation @ F ₀ \pm 20 MHz	\geq 50 dB
Dimensions	146.1 x 47.8 x 47.8 mm
Input/ Output Ports	N-Female Connector & UBR84 Flange
Material	INVAR

¹ "XXXX" is the central frequency in MHz.

