

Videosys 2.2 – 2.3 GHz Bandpass Filter

This filter is carefully engineered to deliver high-performance filtering in a compact design. It utilises interdigital resonators in a cascaded 7th-order configuration, offering excellent selectivity and minimal insertion loss.

The interdigital layout optimises space efficiency while maintaining top-notch performance. The filter is built for durability and consistent operation across different environmental conditions.

It is well-suited for RF systems, signal processing, and communication networks. The designed filter is an ideal choice for applications needing accurate signal filtering.



Specifications

Pass Band Frequency	2.2-2.3 GHz
Pass Band Insertion Loss (at band center)	0.75 dB (max)
Pass Band Insertion Loss (at band edges)	0.9 dB (max)
Band Stop Rejection	
DC → 2.14 GHz	40 dB (min)
2.36 GHz → 2.5 GHz	40 dB (min)
Pass Band Return Loss	15 dB (min)
Input/Output Impedance	50 Ω
Operating Temperature Range	-10 to +60 C
Input and Output Connectors	N type Female
Dimensions	114mm x 48mm x 13mm

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