

# Filters

RLC manufactures a complete line of RF and Microwave Low Pass, High Pass, Band Pass and Band Reject filters covering nearly every application in the DC to 40 GHz frequency range. RLC offers different filter types, each covering a specific filter need. These filters are built for stringent environment conditions and power ranges from milliwatts to kilowatts while maintaining small size, lightweight and high reliability.

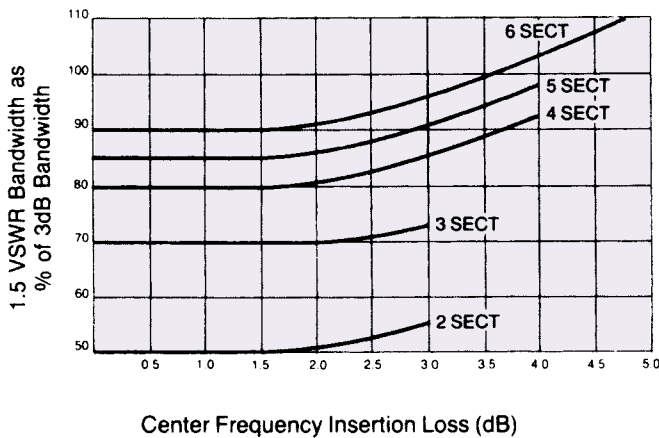
In addition to offering these standard filters, RLC has engineered many thousands of custom designs and produced substantial quantities of special units within short time spans. A large engineering staff and high volume production capability give RLC the ability to assist our customer in obtaining, at competitive costs, standard or specialty designed filters within days or a few weeks of order placement.

## Bandpass Filters Typical Operating Curves

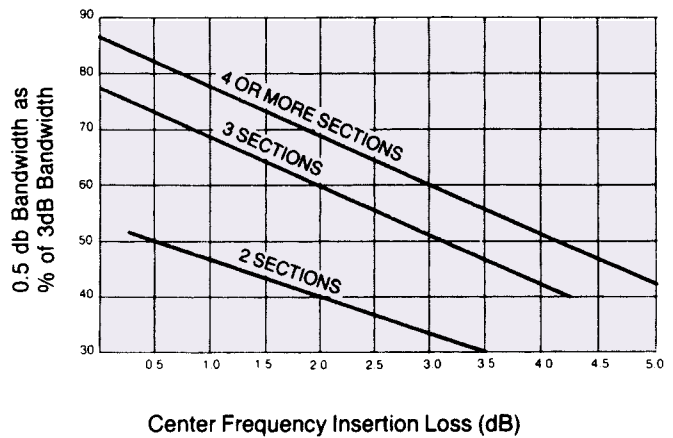
The curves on this page show the approximate relationship between the 3dB bandwidth and other bandwidths which may

be of importance to the user. These curves apply to all standard bandpass filters.

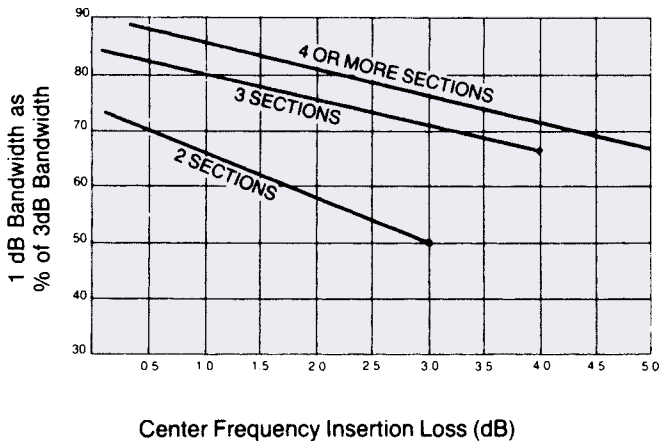
**Curve 1 1.5:1 VSWR Bandwidth**



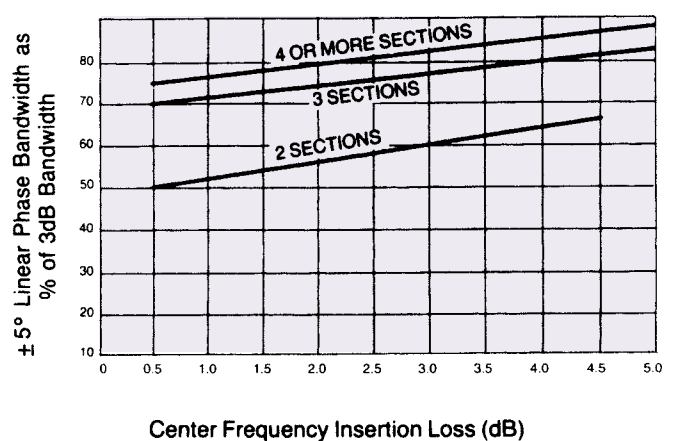
**Curve 2 0.5dB Bandwidth**



**Curve 3 1.0dB Bandwidth**



**Curve 4 ±5° linear phase Bandwidth**



**RLC ELECTRONICS, INC.**

83 Radio Circle, Mount Kisco, New York 10549 • Telephone: 914-241-1334 • Fax: 914-241-1753  
e-mail: sales@rlcelectronics.com • www.rlcelectronics.com