

KEY PARAMETERS FOR SPECIFYING ANATECH PRODUCTS

When you specify a product, there are key specifications that must be addressed. The information you provide will determine the performance achievable for a given device and whether a different configuration or topology would be a better choice. Values for the following specifications should be included when you submit a quote for an Anatech product. If you have any problems, please call us at (973) 772-4242 or click [here](#) to send us an e-mail.

Bandpass Filters

- Center frequency
- Passband frequency
- Bandwidth: 0.5-dB, 1-dB, or 3-dB
- Insertion loss at center frequency or in passband
- Low-side rejection frequency and attenuation
- High-side rejection frequency and attenuation
- Return loss (VSWR)
- Power handling
- Type of connectors, package style
- Quantity desired
- Size restrictions
- Additional customer requirements

Highpass or Lowpass Filters

- Cut-off frequency (1 or 3 dB)
- Band of operation
- Rejection in the passband
- Return loss in the passband
- Insertion loss at the cut-off frequency
- Insertion loss in the passband
- Rejection frequency
- Attenuation at the rejection frequency
- Ultimate rejection frequency
- RF power handling ability
- Type of connectors, package style
- Quantity desired
- Size restrictions
- Additional customer requirements



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Bandstop/Notch Filters

- Notch center frequency
- Notch bandwidth
- Attenuation in notch bandwidth
- Low-side passband starting and ending frequency
- High-side passband starting and ending frequency
- Return loss in passband
- Power handling
- Type of connectors and/or package style
- Desired quantity
- Size restrictions
- Additional customer requirements

Diplexers and Duplexers

- Frequency range of passband 1
- Frequency range of passband 2
- Insertion loss in passband 1
- Insertion loss in passband 2
- Return loss in passband 1
- Return loss in passband 2
- Isolation between passband 1 and passband 2
- RF power handling for passband 1
- RF power handling for passband 2
- Type of connectors and/or package style
- Desired quantity
- Additional customer requirements

Directional Couplers

- Coupler type (single or dual directional, hybrid)
- Operating frequency range
- VSWR
- Coupling factor
- Directivity
- Insertion loss
- Bandwidth
- Frequency sensitivity
- Power handling
- Connectors, package style
- Quantity desired
- Size restrictions
- Additional customer requirements

Circulators

- Operating frequency range
- Isolation
- VSWR
- Insertion loss
- Power handling
- Connectors
- Package style
- Quantity desired
- Size restrictions
- Additional requirements such as operating temperature



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Power Dividers/Combiners

- Operating frequency range
- Number of divided/combined ports
(3-way, 4-way, etc.)
- VSWR
- Insertion loss
- Isolation
- Amplitude balance
- Phase balance
- Power handling
- Connectors and/or package style
- Quantity desired
- Size restrictions
- Additional customer requirements

**For filters and filter-based products,
and all types of passive components,
Anatech should be your supplier of choice.**

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