

BE Series

Tubular Bandpass Filter



Overview

MtronPTI offers the “BE” series of filters as a low ripple Chebyshev design which covers the frequency range from 40 MHz to 600 MHz. Three to eight section designs may be specified with bandwidths ranging from 3 to 40%. This series of filter has moderate to high power handling capability.

Typical electrical parameters which can be extended or improved include insertion loss, VSWR, & power handling. Consult the factory for applications requiring non-standard frequencies, bandwidths or other parameters.

Specifications

	Standard	Special
Center Frequency (MHz)	40 to 600	25 to 1000
Number of Sections	3 to 8	9 to 12
Nominal Impedance	50 Ohms	50/75 Ohms
Maximum VSWR	1.5:1	1.2:1
Percent 3 dB BW	3 - 40%	1 - 70%
Maximum Input Power (Average Watts to 10,000')	Dependent upon center frequency and percent bandwidth.	
Maximum Input Power (Peak Watts to 10,000')	Please consult factory for rated power.	
Shock	15 G's	75 G's
Vibrations	5 G's	30 G's
Relative Humidity	90%	100%
Altitude	Unlimited	Unlimited
Operating Temperature	-20° to +50°C	-55° to +125°C
Non-Operating Temperature	-54° to +70°C	-55° to +150°C
Approximate Weight	1.5 Oz. / In.	1.5 Oz. / In.



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