

Multi-Octave Tunable Solutions

◆ Features:

- Tunable Ranges Cover from 1 MHz to 4 GHz
- Bandwidths 1% to 5% of Tuned Center Frequency
- Digital Control Offered in Various Inputs, including USB, Ethernet, IEEE-488, and RS-232
- Custom Interfaces Available
- Suitable for Analog to Digital Converter Test Systems
- Suitable for Test and Measurement Applications
- Suitable for Military and/or Commercial Communications Systems
- 19" Rack Mountable

SPCL-00310



SPCL-00380



SPCL-00310



◆ Specifications:

(The information listed below is for part number SPCL-00310. Please contact the factory for more options.)

Representative Specifications:

Tunable 15 MHz to 4 GHz
Bandwidth 2 % of Center Frequency
Insertion Loss 2.5 to 4.5 dB (depending on frequency range)
VSWR: 1.5:1 min.
Filter Shape Factor: 15 to 30 MHz:
30:3 dB, 3.0:1
50:3 dB, 5.0:1
Filter Shape Factor All Other Bands:
30:3 dB, 2.2:1
50:3 dB, 3.5:1
Harmonic Rejection 60 dB min.

Optional external paths for connection of customers' test equipment. Specifications of the external paths are as follows:

External Path 1 and 2:

Insertion Loss: 15 MHz to 40 GHz, 3.5 dB max.

VSWR:

15 MHz to 12 GHz 1.5:1 max.

12 to 26.5 GHz 1.8:1 max.

26.5 to 40 GHz 2.1:1 max.

Terminated External Path:

Terminated in 50 ohm Load

VSWR:

15 MHz to 12 GHz 1.5:1 max.

12 to 26.5 GHz 1.8:1 max.

26.5 to 40 GHz 2.1:1 max.