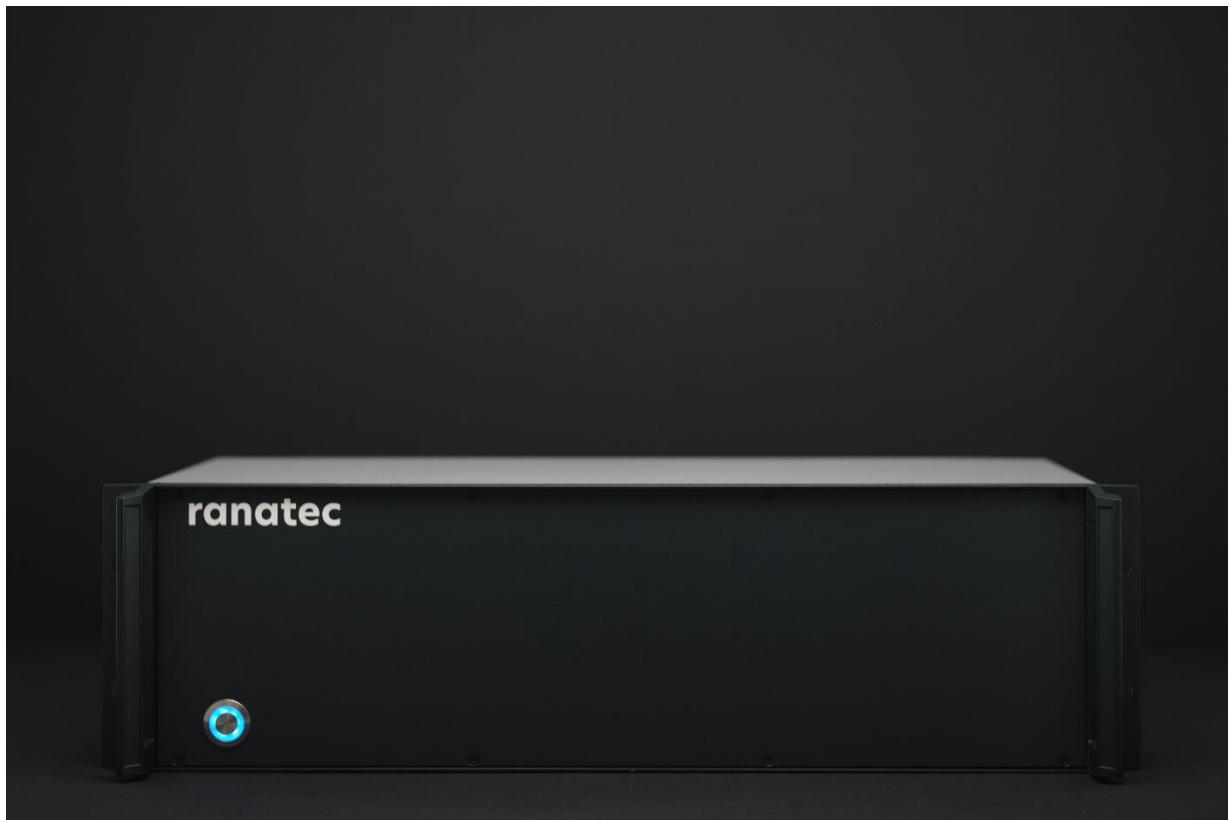


RI 281

Tunable Bandpass Filter
Digitally tunable within 600-10 000 MHz



Features

- High-Q bandpass filter with steep slopes
- Filter bandwidth can be selected at order, 100 MHz is a typical choice
- Frequency tunable between 600-10 000 MHz
- Remote control via LAN
- Rack mountable

Overview

The RI 281 is a high-performance electronically tunable bandpass filter. It is fully equipped to conform to all bands from 600 MHz to 10 GHz. This is achieved by ingenious microwave design, digital signal processing and use of state-of-the-art components.

Application

- For testing of wide frequency range devices when out-of-band signals need to be suppressed.
- For generating a pure input signal with low noise outside of the band.

Typical filter performance

- 100 MHz bandwidth
- 75 MHz filter slopes
- 40 dB suppression

Filter can be selected at order with high end requirements that will be unaffected over the complete tuning range.

Specification

Input power range	max +35 dBm (=3 W)
Bandpass bandwidth	configurable at order, typically 100 MHz
Frequency resolution	1 kHz
Frequency settling time	20 ms full band
Frequency accuracy	2.5 ppm (internal ref)
RF input/output connector	SMA (F)
Size	3 U, 19"
Operating temperature	15 to 35 °C
Storage temperature	-40 to 70 °C
Relative humidity	10 to 90 %

