

RI 260

TUNABLE BAND REJECT FILTER

Digitally tunable between
698 ~ 2700 MHz

FEATURES

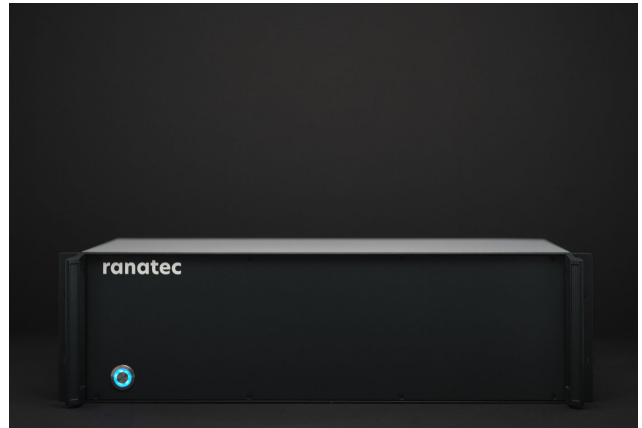
- Center frequency tunable between 698 ~ 2700 MHz
- 1 kHz center frequency resolution
- 25 ppm frequency stability
- 20 MHz reject bandwidth as standard
- 35 dB band reject depth as standard
- 19", 3U rack mountable
- Remote control via LAN as standard

OVERVIEW

The RI 260 is a high-performance digitally tunable band reject filter. RI 260 is divided into three filter segments: 698 ~ 1000, 1400 ~ 2000 and 2000 ~ 2700 MHz. Filter characteristics remain constant across the entire frequency range. This is achieved by ingenious microwave design, digital signal processing and use of state-of-the-art components. There is also a frequency extension option for conformance testing up to 26.5 GHz. It contains high- and lowpass filters in a special configuration for coexistence with RI 260.

APPLICATION

- Conformance testing according to TS 136 521-1
- Spurious emissions measurements
- Receiver blocking measurements
- Design verification of radio transmitters and receivers



SPECIFICATION

Filter bandwidth [MHz]	Frequency bands for center freq. [MHz]	Measurement bands [MHz]	Filter slopes [MHz]
20	698-1000	600-1200	10
20	1400-2000	1200-2200	10
20	2000-2700	1700-3000	10

Input power range	+2~+28 dBm
Band reject bandwidth	20 MHz @-35dB
Band reject depth	35 dB
Frequency resolution	1 kHz
Frequency settling time	20 ms full band
Frequency accuracy	25 ppm (internal ref)
RF input/output connector	SMA (f)
Size	3 U, 19"
Operating temperature	0 to 40 °C
Storage temperature	-40 to 70 °C
Relative humidity	10 to 90 %

ORDERING

RI 260	Tunable Band Reject Filter
RI 4270	Extension Box 26.5 GHz