

Product Information: Rev 1B, Issue Oct 2014, Revised Oct 2014

UV DIVIDER is indoor active divider intended for frequency range 100 - 1300MHz. The active stage is built on input of passive divider. Device has input filter and protection circuit.

KEY FEATURES

- Very low noise
- Filtered and protected input
- Wide voltage range
- Green LED indicates proper supply voltage
- Low power consumption

APPLICATIONS

- Radio-monitoring
- Small signals receiving
- IF-systems



Figure 1: View of UV DIVIDER

TECHNICAL SPECIFICATIONS

Technical characteristics

Frequency range	100 - 1300*	MHz
Gain (average)	13	dB
Noise figure (average)	<1.0	dB
Input VSWR (average)	2.0	
Output VSWR (average)	2.0	
P1dB at output (amplifier only)	>15	dBm
OIP3 (Δ1MHz, amplifier only)	>30	dBm
IN/OUT impedance	50	Ohm
Current consumption	100	mA
Fuse	1.6	A
Device voltage	+12...+16	V
RF connectors	N-female	
DC connector	2.1mm jack (positive in center)	
Dimensions	See Figure 3	

* Usable up to 1500MHz.

Absolute maximum ratings

Device voltage	+12...+16V	V
RF input power	+10	dBm
Operating temperature	0 to 45°C	Indoor use only

! Exceeding given parameters may permanently damage the device.

Figure 2: UV divider transfer function curve up to 2GHz

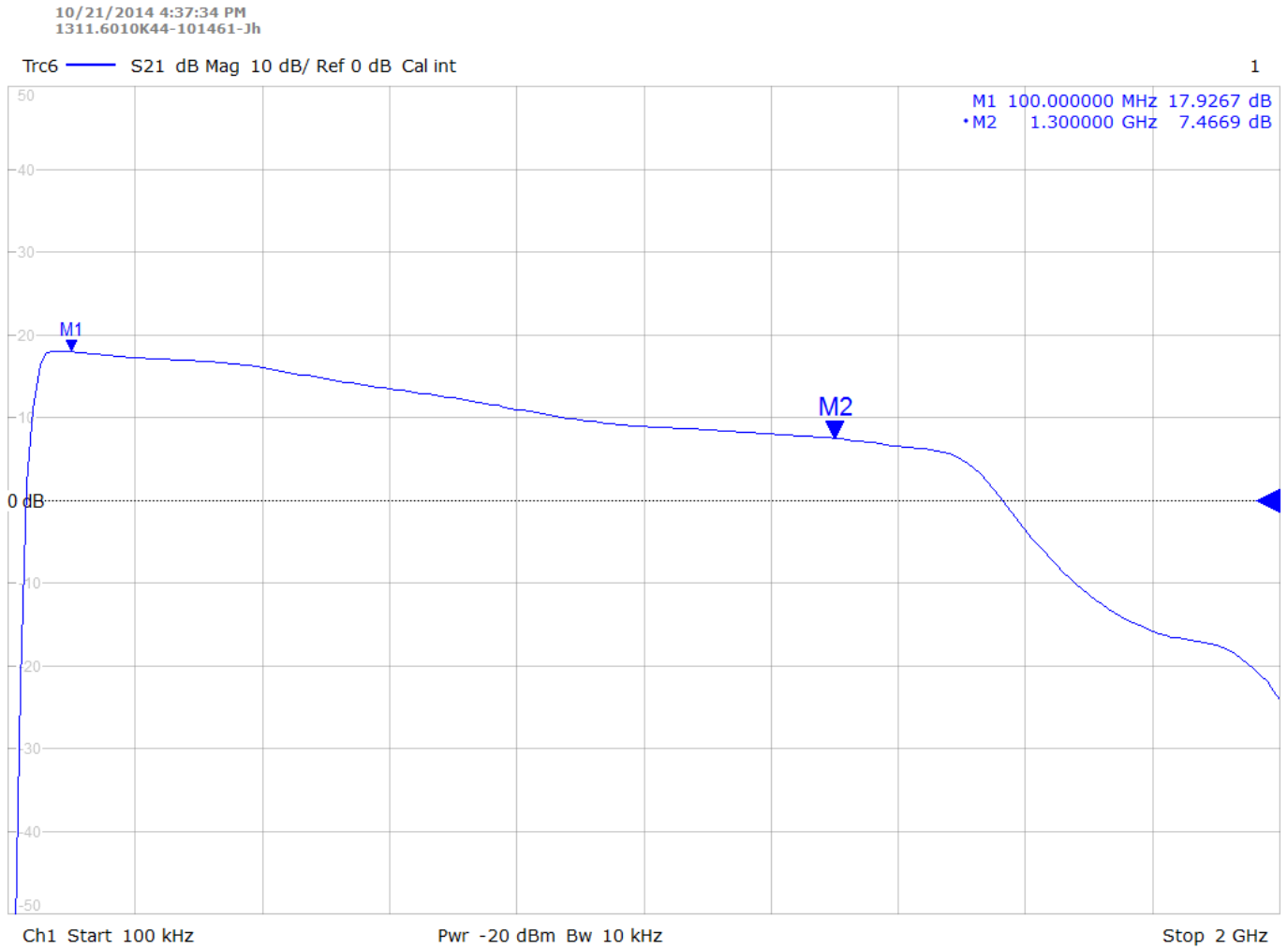
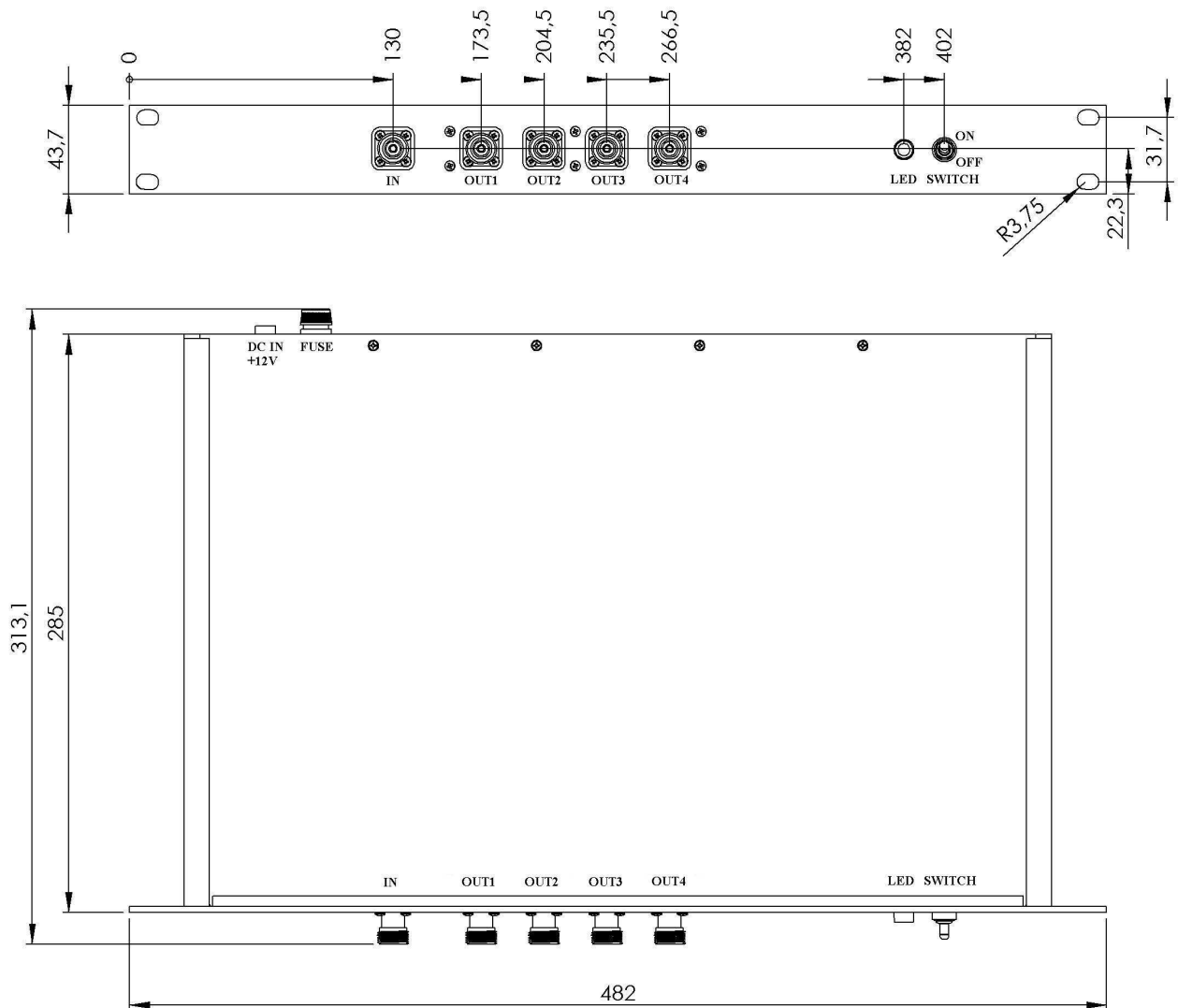


Figure 3: Mechanical dimensions (mm)



Rantelon reserves the right to change the specification without notice.