

ASJ8-2 is indoor active divider intended for frequency range 135-174MHz. The active stage is built on input of passive divider. ASJ8-2 has input band-pass filter and protection circuit.

KEY FEATURES

- Low noise and flat gain
- Filtered and protected input
- Wide voltage range
- Green LED indicates proper internal voltage

APPLICATIONS

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

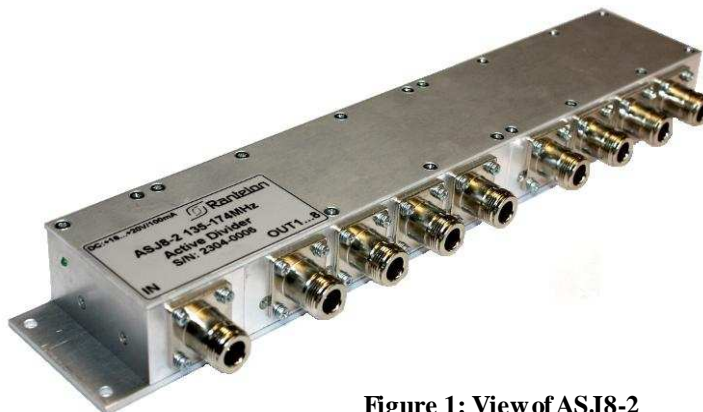


Figure 1: View of ASJ8-2

TECHNICAL SPECIFICATIONS

RF characteristics*

Frequency range	135 - 174	MHz
Gain	8	dB
Total noise figure	4.6	dB
Input return loss	17	dB
Output return loss	20	dB
Total 1dB comp at output	6	dBm
Total OIP3 (spacing 1MHz)	20	dBm
Flatness	±0.3	dB
Amplitude unbalance	±0.3	dB
Phase unbalance	±2	Deg
Outputs isolation	25	dB
IN/OUT impedance	50	Ohm
Current consumption	100	mA
Device voltage	+16...+20	V
RF connectors **	N-female	
DC connector **	Pin header 4.2mm 2x1 (for polarity see Figure 4)	
Dimensions	See Figure 4	

* Measured at temperature T=+25°C. 50Ω input/output impedances are used.

** On order other connector types are available.

Absolute maximum ratings *!NB! Not observing the requirements, the device may be damaged. Switching the device on make sure that the input and output are correctly loaded with 50Ω.*

Device voltage	+20	V
RF input power	+5	dBm

Figure 2: ASJ8-2 transfer function curve up to 400MHz

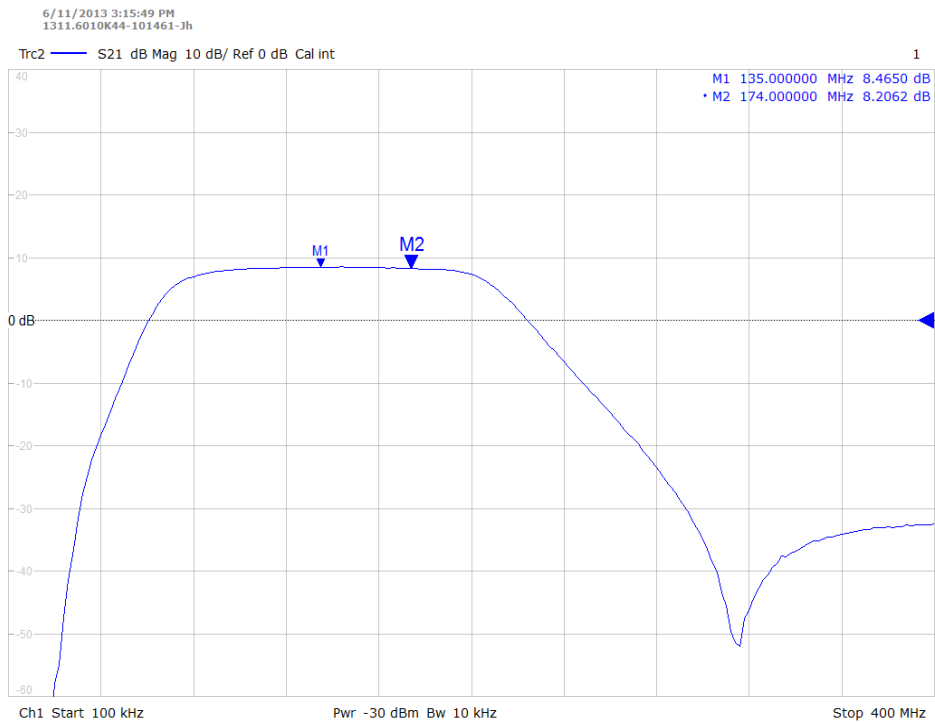


Figure 3: ASJ8-2 transfer function curve up to 3GHz

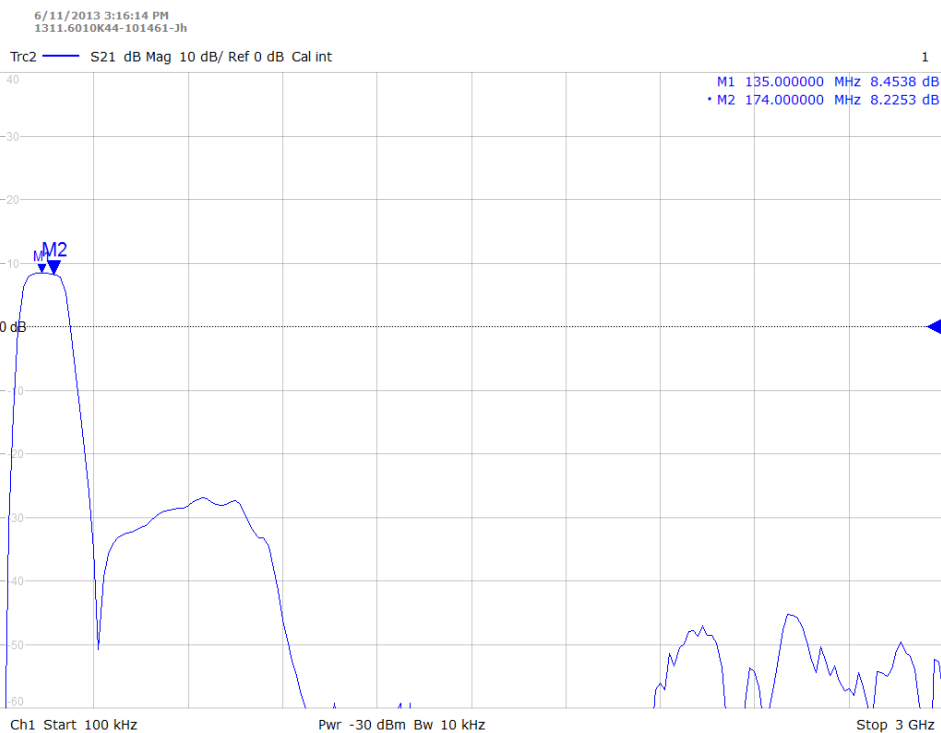
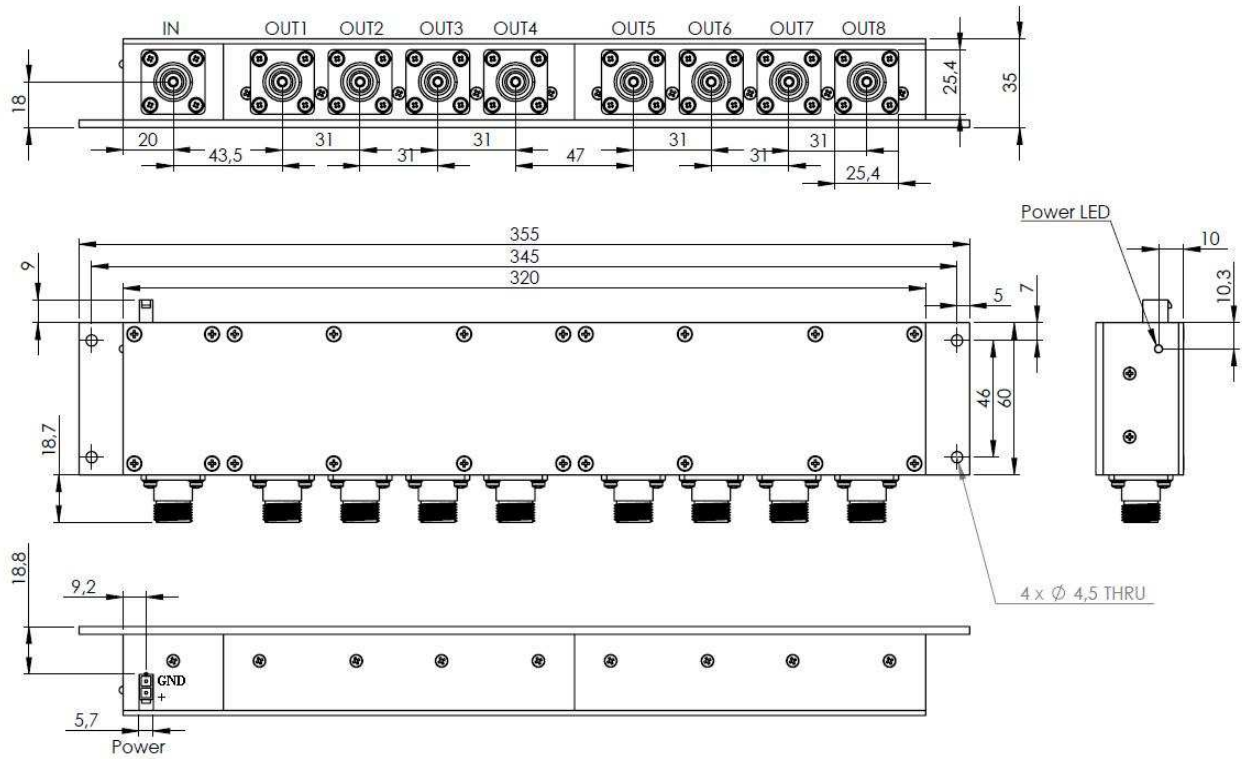


Figure 4: ASJ8-2 mechanical dimensions (mm)



Rantelon reserves the right to change the specification without notice.