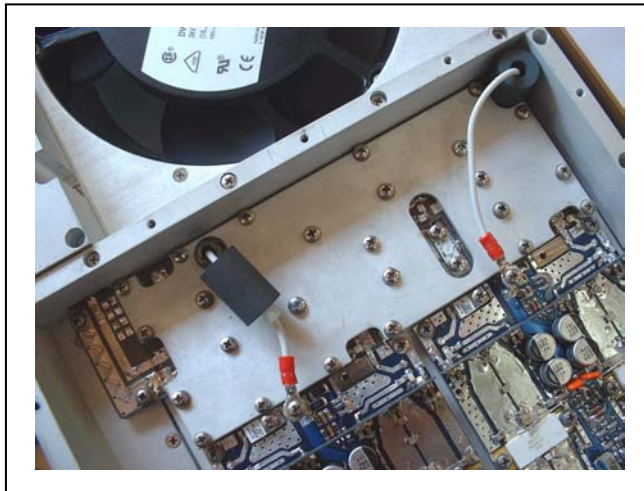


## UHF 2 Way Power Combiner

This combiner is developed in Wilkinson structure, and uses Microstrip lines and transformer.

It is composed of two “quarter wave steps”, in order to work on all UHF range.

- **Frequency Range:** 470 – 862 MHz
- **Structure:** 2way Wilkinson Combiner
- **Input/Output impedances** 50Ω
- **Isolated Input Ports**
- **Material:** microwave substrate on aluminum baseplate

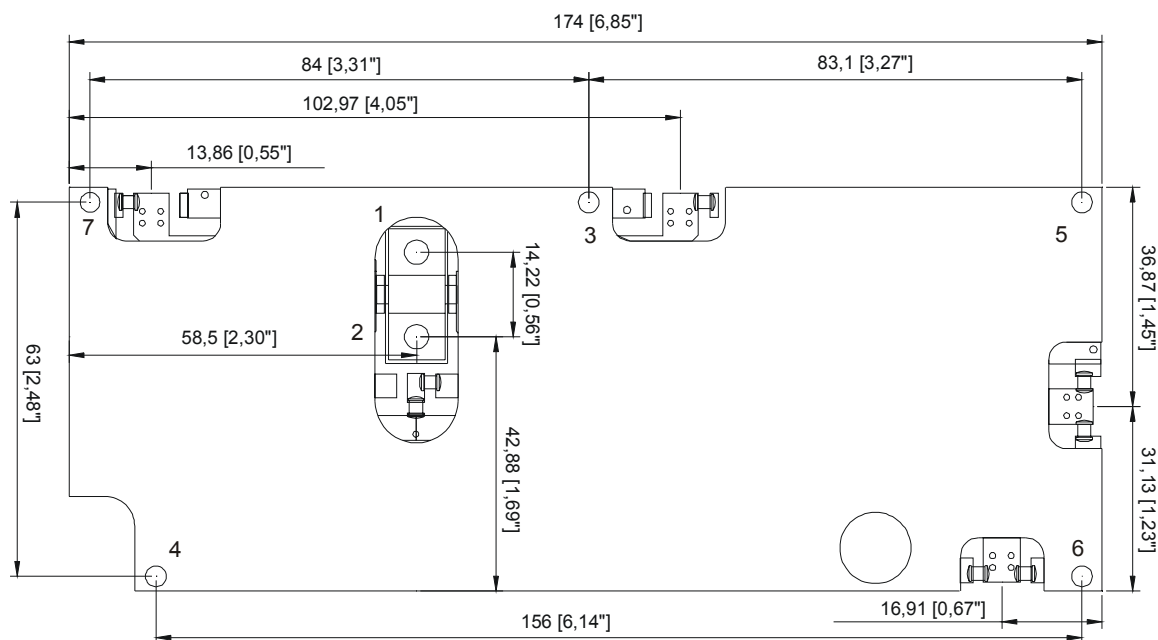


## CHARACTERISTICS

<b>Input Power</b>	300 W p- Synk or 200 W CW (each port)
<b>Output Power</b>	600 W p- Synk or 400 W CW
<b>Return Loss @ input ports</b>	-15 dB Min, -20dB typ.
<b>Return Loss @ common port</b>	-16 dB Min, -20dB typ.
<b>Insert. Loss @ 860 MHz</b>	-0.20 dB Min, 0.35 dB Typ
<b>Isolation (between input ports)</b>	-16 dB Min (1) (2)
<b>Amplitude Umbalance</b>	± 0.1 dB Max
<b>Phase Umbalance</b>	± 5° Max
<b>Input/Output connection</b>	Solder Tab <sup>1</sup>

<sup>1</sup> Optional connectorized version available

Contact Res-Ingenium, +39 0763 316333 Fax +39 0763316002- or visit [www.res-ingenium.com](http://www.res-ingenium.com) for a complete listing.



Dimensions: mm [inch]

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