Wenzel Associates, Inc.
"Quietly the Best"

Military and Space >

Airborne Doubler Filter

Features:

- **100 MHz x 2**
- **Input AGC**
- **+27 dBm Output to Drive SRD**
- **-54 to +85 C Operating Range**

Applications:

- **Airborne**
- **Radar**
- **Comb Generator**

The Frequency Doubler/Filter produces a very clean 25 dBm signal at 200 MHz from a 13 dBm, 100 MHz input. A built-in crystal filter and special low-noise circuitry gives excellent phase noise performance and source noise rejection. The Frequency Doubler/Filter can be configured for different frequencies and output levels and the output is suitable for driving SRDs.

Typical Specifications:		
Frequency *(Specify)*	100 MHz x 2	
Output Level	+27 dBm ±1 dB	dBm
Phase Noise **At 200 MHz (input referred)** 100 kHz	 -170	 dBc/Hz
Spurious	-80	dBc
Harmonics	-30	dBc
Supply Voltage	+15	VDC
Total Power	300	mA
Operating Temperature	-54 to +85ºC	
Dimensions	39.9 x 23.4 x 12.7 1.57 x 0.92 x 0.5	mm inches
Connectors	SMA, Feedthrus	

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