



# 0.5 - 22 GHz MODULAR SYNTHESIZER



## TECHNICAL FEATURES

- 0.5 - 22 GHz Output, 2 Bands
- Integrated Switched Filter Banks
- Low RMS Jitter, Fast Locking
- 10 MHz REF, External or Internal
- EAR99



## PRINCIPAL SPECIFICATIONS

RF Frequency GHz	Frequency Step, MHz	Output Power	RMS Jitter	Spurious	Attenuation
0.5 - 22	1	+5 ± 1.0 dB	1.00°	-60 dBc	60 dB in 1.0 dB steps

## GENERAL NOTES

This Synthesizer Module tailored for the EW market incorporates advanced features providing exceptional unit performance and functional integration. Integrated sub-band filtering, amplification, and attenuation are included within the package. Exceptional signal fidelity is achieved through the use of high performance components, low phase noise synthesizer ICs, and sub-harmonic filtering.

A modular advanced surface mount design has been utilized to optimize build cost and enhance performance repeatability.

Fast locking and low RMS Jitter. Can utilize an external 10MHz reference or use an internal oscillator that automatically turns on when external signal is lost. High reliability is obtained using careful device selection, tailored screening and environmental seal of the entire module.

This design and the incorporated technologies are customizable for specific customer's applications.

## GENERAL SPECIFICATIONS

RF Interface.....	Surface Mount
Operating Temperature.....	-40° to +70° C
Power.....	15 Watts, Max.
Weight .....	0.72 lbs

CRANE A&E IS ISO 9001:2015 AND AS9100D CERTIFIED.

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