



2 - 18 GHz DOWN CONVERTER



TECHNICAL FEATURES

- Full 2 - 18 GHz RF Coverage
- Low RMS Jitter
- Superior Frequency Flatness and Intercept Performance
- Internal Built-in Test Functions
- Optional LNA can be placed at the front to improve NF at the expense of the intercept point
- EAR99



PRINCIPAL SPECIFICATIONS

RF Frequency GHz	IF Frequency GHz	Flatness Ripple	Noise Figure	Spurious	Attenuation
2 - 18	3 - 5	± 1.0 dB max.	11 dB	-60 dBc, In Band -78 dBc, Out of Band	25 dB in 0.5 dB steps

GENERAL NOTES

This Down Converter Module 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 mixers and amplifiers, and by careful selection of the drive levels and frequency characteristics chosen for each band segment.

The unit contains advanced control features provided through an independent BIT connector. A modular advanced surface mount

design has been utilized to optimize build cost and enhance performance repeatability. High intercept and low RMS conversion Jitter. 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. The module can be offered in a 3U VPX form factor.

GENERAL SPECIFICATIONS

RF Interface.....	Surface Mount
Operating Temperature.....	-40° to +70° C
Power.....	12.5 Watts, Max.
Weight	0.72 lbs

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

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