

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Leonardo DRS SI-9135-2* at our website: ***Click HERE***

DRS
DEFENSE SOLUTIONS

Meeting Today's Challenges to Provide a Secure Future





SI-9135-1
3U CPCI VHF/UHF TUNER

The SI-9135-1 is a single-channel 3U CompactPCI (cPCI) tuner that provides conversion of RF signals between 20 and 3000 MHz to an analog IF output centered at 70 MHz with an instantaneous bandwidth of 30 MHz. The tuner has a minimum tuning speed of 500 microseconds, performing fixed tuning with a resolution of 100 kHz and frequency scanning with a resolution of 1 MHz. Its small size, weight and power make it ideal for systems having limited space. Optimized to interface with Analog Devices AD664X wideband analog-to-digital converters, the SI-9135-1 makes available scan-friendly tune strobe/trigger inputs and outputs that can speed frequency transitions during channel step or F1-to-F2 sweep operations. The SI-9135-1's internal local oscillator distribution (LOD) mechanism allows it to share 1st and 2nd LOs with other tuners without an external LO distribution module. This makes possible a configuration of nine phase-coherent channels. These operational features and the SI-9135-1's preselector, low phase noise synthesizers, channel-to-channel phase tracking, and excellent dynamic range make it ideal for signal intercept or beamforming systems.

- Intercepts weak signals in the presence of multiple strong signals
- Up to 9 phase-coherent channels w/o LOD Module
- Small Size, Weight and Power (SWAP)

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

SI-9135-1 HIGHLIGHTS

- Wideband tuner in a single-slot 3U cPCI card
- Exceptional RF sensitivity and selectivity
- Software-selectable phase coherency of up to nine units without an external LOD module
- Analog IF output centered at 70 MHz with bandwidth of 30 MHz
- Frequency step/sweep scan with software and hardware tune strobing/triggering
- RS-232 or 32-bit, register-based PCI control
- Designed in accordance with the Compact PCI (PICMG 2.0, R3.0) and PCI eXtensions for Instrumentation (PXI™) hardware specifications
- 1024 programmable memory channels to store step/sweep scan parameters
- Internal or external 10 MHz reference
- Lightweight 1.3 lbs.





FREQUENCY

Frequency Range	20 – 3000 MHz (tunable to 0 Hz)

TUNING

Tuning Step Size	100 kHz (fixed); 1 MHz (scan)
Tuning Speed	500 microseconds minimum; ≤ 1000 microseconds worst case excluding the 2nd LO bandbreaks

SWAP

Size	Single-slot 3U cPCI (160 x 100 mm)
Weight	1.3 lbs.
Power	16.5 watts (independent mode) 18.0 watts (master mode)

CAPABILITIES

Internal Reference	
Frequency	10 MHz ±1 ppm (-20°C to +50°C)
Output Level	0 dBm ±3 dB into 50 ohms
External Reference	
Frequency	10 MHz ±5.0 ppm
Input Level	0 dBm ±3 dB into 50 ohms
Gain Control Range	47 dB in 1-dB steps
Control Interfaces	RS-232 or PCI 32-bit, 33 MHz (+3.3V PCI signaling levels)
Operating Temperature	-20°C to +55°C ambient with 12 CFM airflow minimum
Storage temperature	-40°C to +70°C

DEFENSE SOLUTIONS

DRS-SS APR. Export of DRS SIGNAL SOLUTIONS, INC. products is subject to U.S. export controls. Licenses may be required. This material provides up-to-date general information on product performance and use. It is not contractual in nature, nor does it provide warranty of any kind. Information is subject to change at any time. Copyright © DRS SIGNAL SOLUTIONS, INC. 2008. All Rights Reserved.

P/N 915108-001 | Revision 51 | February 2010

DRS Signal Solutions, Inc.
700 Quince Orchard Road, Gaithersburg, MD 20878-1794 Tel 1.301.948.7550 Fax 301.921.9479 www.drs-ds.com | sales@drs-ds.com

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP