

Dana 7066
RF Prototyping Module



In Stock

New From Surplus Stock

Open Web Page

<https://www.artisanng.com/86741-1>

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



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

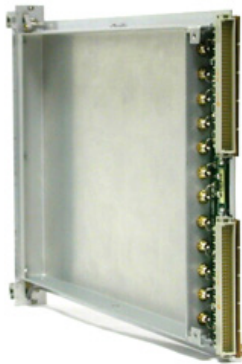
Artisan Technology Group

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

- Critical and expedited services
- In stock / Ready-to-ship

- We buy your excess, underutilized, and idle equipment
- Full-service, independent repair center

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



Racal Instruments™

7066

RF Prototyping Module

OBSOLETE

The Racal Instruments™ 7066 is ideal for adding specific RF and Microwave modules into a VXIbus system. The 7066 decouples and filters the VXIbus back-plane power lines for use within the shielded enclosure.

Key Features

- For RF and microwave applications
- Decoupled and filtered power lines from VXIbus backplane
- Shielded RF compartment
- Low cost, 1 or 2-slot, C-size modules

Product Information

Add Microwave Functions to VXIbus Systems

This module enables RF components or sub systems to be conveniently added to a VXIbus system. RF/Microwave couplers, splitters, amplifiers or up-and-down converters can be added to your system in this fully shielded module. If additional cooling is required, holes may be drilled in the modules shield to provide air circulation.

VXIbus Power is Accessible

The 7066 fully utilizes the available power from the VXIbus by connecting to multiple power pins on the P1 and P2 connectors. This gives you custom RF circuitry access to 7 A on the +5 V rail, 5 A on the -5.2 V rail and 1 A for all others. Single or double slot versions are available but only one row of P1/P2 connectors are used (i.e. no difference in power capability).

Specifications

Note: The Astronics Test Systems policy is one of continuous development and improvement. Consequently, the equipment may vary in detail from the description and specifications in this publication.

Prototyping Features

Breadboarding Space

- 11.58 in (289 mm) x 8.36 in (209 mm): 97 in²

RF Compartment

- Sealed (no cooling holes), either single or double (Opt. 01) wide

Supplies to RF Compartment

+24	+12	+5	-5.2	-12	-24
1 A	1 A	7 A	5 A	1 A	1 A

Lower voltages loss <10 mV/A Higher
voltages loss <20 mV/A

Power Supply Filtering (insertion loss at specified frequency)

- 10 MHz: 20 dB
- 100 MHz: 65 dB
- 500 MHz to 1 GHz: 70 dB

Optional Features

Option 01

- Double Wide RF Compartment

Environmental

Temperature

- Operating: 0° C to 50° C

EMI

- Meets MIL-STD-461C CEO3/REO3

EMC (Council Directive 89/336/EEC)

- Meets CE requirement but dependent upon added circuitry.

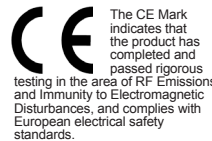
Safety (Low Voltage Directive 3/23/EEC)

- EN6010-1, IEC1010-1, UL3111-1, CSA 22.2#1010

Mechanical

Cooling (single slot)

- 21° C Rise with 40 W Dissipation in RF Compartment.



Ordering Information

R-7066 : Racal Instruments™ 7066

Single Slot RF Prototype Module

R-7066/01 : Racal Instruments™ 7066-01

Double Slot RF Prototype Module

R-7066/02 : Racal Instruments™ 7066-02

Triple Slot RF Prototype Module



All trademarks and service marks used in this document are the property of their respective owners.

- Racal Instruments is a trademark of Astronics Test Systems Inc. in the United States and/or other countries

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 [artisanng.com](https://www.artisanng.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@artisanng.com | [artisanng.com](https://www.artisanng.com)

