

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

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Artisan Technology Group

Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS
Experienced engineers and technicians on staff at our full-service, in-house repair center

WE BUY USED EQUIPMENT
Sell your excess, underutilized, and idle used equipment
We also offer credit for buy-backs and trade-ins
www.artisantg.com/WeBuyEquipment ↗

InstraView™ **REMOTE INSPECTION**
Remotely inspect equipment before purchasing with our interactive website at ***www.instraview.com*** ↗

LOOKING FOR MORE INFORMATION?
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Contact us: (888) 88-SOURCE | sales@artisantg.com | www.artisantg.com

SM7000

18GHz Non-terminated Microwave Switching



- DC to 18GHz
- The First Modular VXI Microwave Switch on the Market
- Up to 6 (1x6) in Only One C-size Slot
- Building Blocks Range from Dual SPDT Relays to SP6T Relays, Transfer Switches and Relay Drivers
- Microwave Building Blocks are "Pluggable" from the Front of the VXIbus Card
- 18GHz Building Blocks Priced to Satisfy Lower Frequency Cellular Switching Markets

Step 1: Start with the SM7000 base unit. It holds up to six microwave building blocks in one C-size slot.

Step 2: Select up to six microwave building blocks

Step 3: Contact VXI Technology for price and delivery

Overview

The SM7000 is part of the SMIP//™ family, offering the extensive control and interfacing features provided by SMIP//™. Microwave relay technology has been pioneered to offer density, modularity and cost benefits not available from other VXI suppliers.

Using the SMIP//™ family for microwave switching, the user obtains the following benefits over other VXI microwave switch solutions:

Density: Up to 6 (1x6) microwave relays can be housed in a single VXIbus slot (SM7000).

Modularity: Each SM7000 switch module can house up to 6 building blocks, which can be mixed and matched for the final configuration.

Cost: The SM7000 has been priced to help reduce the cost of microwave switching by at least 20% from existing solutions.

The following building blocks have been selected to allow the majority of microwave switch applications to be accommodated within 1 VXIbus card slot. Each building block is also "pluggable" from the front allowing for easy configurations and repair.

In addition to our own relays, we offer a base unit (SM7000N) that supports miniature microwave relays from Narda that allows 1x4s and 1x6s to be housed in the same assembly. This alternative single-slot unit allows us to maintain the same software command set on both the SM7000 and SM7000N, while having two sources of relays to better manage customer delivery requirements.

Specifications

Maximum Power per Channel: 20W @ 18 GHz

Switching Time: <15mS

RF Impedance: 50Ω

Frequency (GHz)	DC-3	3-8	8-12.4	12.4-18
Isolation (dB min)	80	70	60	60
Insertion Loss (dB max)	0.2	0.3	0.4	0.5
VSWR min	1.2:1	1.3:1	1.4:1	1.5:1

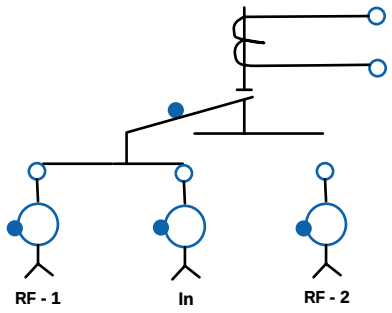
Connectors: SMA

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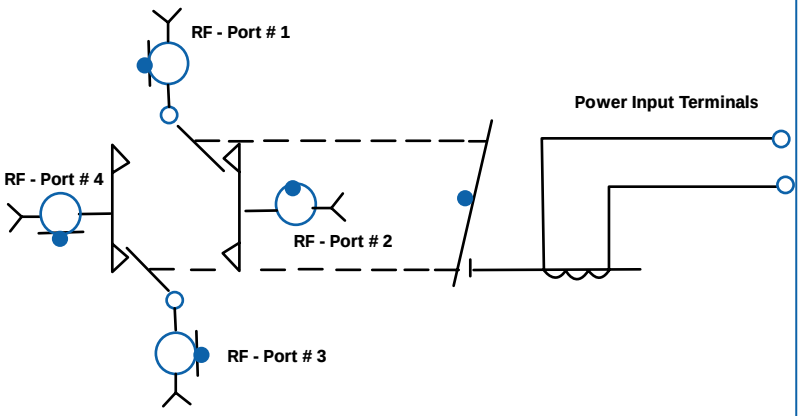
SM7000

18GHz Non-terminated Microwave Switching

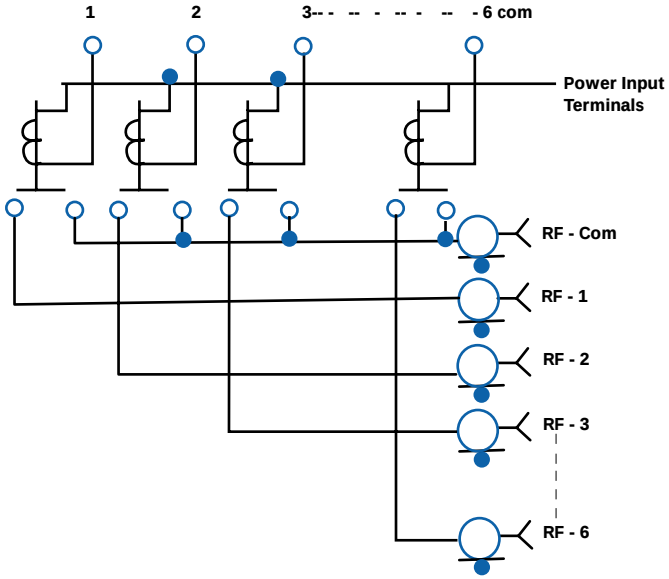
SPDT



TRANSFER SWITCH



MULTI-POSITION



Ordering Information

SM7000	Single-slot Base Unit
7270	2 (SPDT) 18GHz relays
7272	SP4T 18GHz relay
7274	SP6T 18GHz relay
7275	18GHz transfer switch
7276	6 relay driver lines

SM7000N	Single-slot Base Unit for Narda Relays
7272N	SP4T Narda Relays
7274N	SP6T Narda Relays

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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.

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