

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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Find the *Keithley 7158* at our website: ***Click HERE***

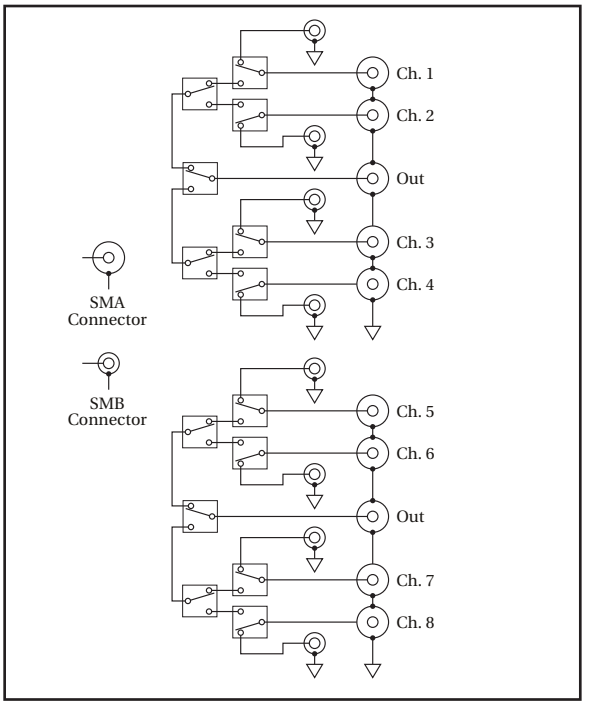
7016A 50Ω 2GHz Multiplexer

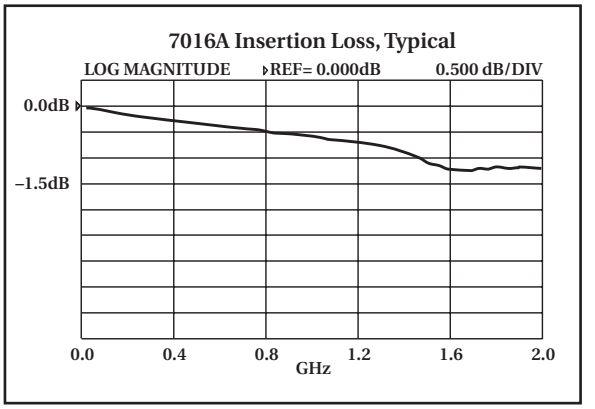
MULTIPLEXERS PER CARD: 2 (with isolated ground).
CHARACTERISTIC IMPEDANCE: 50Ω nominal.
CHANNELS PER MULTIPLEXER: 4.
CONTACT CONFIGURATION: 1 pole Form A common shield.
RELAY DRIVE CURRENT: 120mA.
CONNECTOR TYPE: SMA.
RECOMMENDED CABLE: RG-223/U.
TERMINATION: User supplied 50Ω SMB termination (on unselected inputs).
ACTUATION TIME: 8ms.
MAXIMUM VOLTAGE: Any terminal (center or shield) to any other center or chassis: 30V.
MAXIMUM CARRY CURRENT: 0.5A.
MAXIMUM CARRY POWER: 10VA up to 900MHz, 3VA @ 2GHz.
ISOLATION:
Multiplexer to Multiplexer: >1GΩ.
Center to Shield: >1GΩ, <50pF.
Channel to Channel: >100MΩ.
RISE TIME: <200ps.
SIGNAL DELAY: <3ns; channels matched to 50ps.
CONTACT POTENTIAL: <6µV.
CONTACT RESISTANCE: 0.5Ω.
CONTACT LIFE: 3×10^5 @ 30V @ 10mA.
3×10^5 @ 900MHz, 1W.
1×10^6 @ cold switching.
ENVIRONMENT: **Operating:** 0° to 50°C; up to 35°C at 80% RH.
Storage: –25°C to 65°C.
EMC: Conforms with European Union Directive 89/336/EEC.
SAFETY: Conforms with European Union Directive 73/23/EEC.

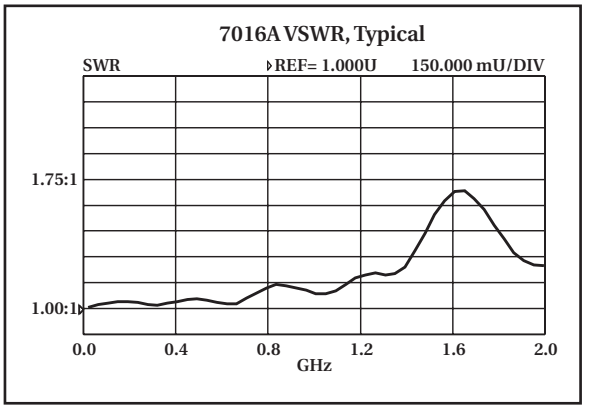
AC PERFORMANCE:

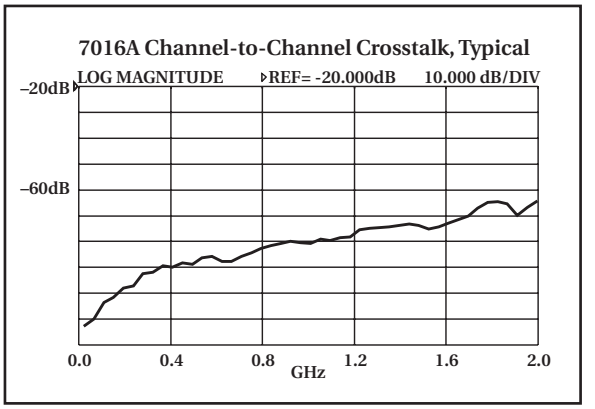
For $Z_L = Z_S = 50\Omega$	≤10 MHz	≤100 MHz	≤500 MHz	≤1 GHz	≤2 GHz
Insertion Loss (dB):	<0.3	<0.6	<1.0	<1.3	<3.0
Crosstalk (dB):[1]					
Channel-Channel	<–90	<–80	<–65	<–55	<–45
Switch-Switch	<–90	<–80	<–70	<–65	<–45
VSWR	<1.06	<1.1	<1.2	<1.6	≤1.9

[1] Specification assumes 50Ω termination.









TYPICAL: Typical but not warranted parameter, intended to provide useful information for switch application.

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.

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