

# S41/RF1X72 Multiplexer

## RF PARAMETERS:

<b>Frequency</b>	DC–8GHz	8–18GHz
<b>Insertion Loss</b>	1.0 dB max	2.5 dB max
<b>VSWR</b>	1.5:1	2.0:1
<b>Isolation</b>	70 dB min	60 dB min

**SWITCH CONFIGURATION:** One 1x72 or two 1x36 or fourteen 1x6 coaxial multiplexers when RF cables are removed.

**IMPEDANCE:** 50Ω.

**ACTUATION TIME:** 15ms

**RF CONTACTS:** Break-before-make, normally open

**OPERATING LIFE:** 1,000,000 operations, cold switched.

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## SUPPLIED ACCESSORIES

**LIGHT PEN** Provides interactive programming of channels, cross points, scan lists, and memory.

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## OPTIONAL ACCESSORIES

**8503** **DIN to BNC Trigger Cable:** Provides BNC connector interface to hardware trigger lines.

**S41-RMK-1** **Fixed Rack Mount Kit:** Enables rack mounting without chassis support for one System 41 Mainframe.

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## ORDERING INFORMATION

**S41/RF1X72** 1x72 RF coaxial multiplexer switch system

**S41/RF1X72-T** Test data on the RF module – must be purchased at the same time the switch system is purchased

## GENERAL

**DISPLAY:** Dual line vacuum fluorescent.

**1st Line:** 20-character alphanumeric.

**2nd Line:** 32-character alphanumeric.

Channel status LED grid.

**IEEE-488 BUS IMPLEMENTATION:** Conforms to SCPI-1990, IEEE-488.2 and IEEE-488.1.

### REAR PANEL CONNECTORS:

SMA

IEEE-488

8-pin micro DIN for Trigger Link

8-pin micro DIN for Trigger Link expansion

**POWER:** 100–240V AC universal input, 50–60Hz, 270VA maximum.

### STANDARDS:

**Safety:** Conforms with European Union Directive 73/23/EEC.

**EMC:** Conforms with European Union Directive 89/336/EEC

### ENVIRONMENT:

**Operating:** 0°C to 50°C, <80% relative humidity (0°C to 35°C)

**Storage:** –25°C to +65°C

**DIMENSIONS, WEIGHT:** 178mm high × 482mm wide × 515mm deep (7 in × 19 in × 20 in). Net weight 10kg (21 lbs).

**RACK MOUNTING:** Standard 19" rack shelf or chassis support angles.

Specifications subject to change without notice.