

# S41/RF6X6 Matrix

## RF PARAMETERS:

<b>Frequency:</b>	DC-8GHz	8-18GHz
<b>Insertion Loss:</b>	2.5 dB max	4.0 dB max
<b>VSWR:</b>	1.5:1	2.0:1
<b>Isolation:</b>	70 dB min	60 dB min

**SWITCH CONFIGURATION:** Non-blocking coaxial matrix with six inputs and six outputs.

**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/RF6X6** Non-blocking 6x6 RF coaxial matrix switch system

**S41/RF6X6-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 11kg (24 lbs).

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

Specifications subject to change without notice.