

# S41/RF10X10 Matrix

**RF PARAMETERS:**

<b>Frequency:</b>	DC-8GHz	8-18GHz
<b>Insertion Loss:</b>	3.5 dB max	5.5 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 ten inputs and ten outputs.

**IMPEDANCE:** 50Ω.

**ACTUATION TIME:** 15ms.

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

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

**SUPPLIED ACCESSORIES**

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

**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.

**ORDERING INFORMATION**

- S41/RF10X10** Non-blocking 10x10 RF coaxial matrix switch system
- S41/RF10X10-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 x 482mm wide x 515mm deep (7 in x 19 in x 20 in). Net weight 15kg (33 lbs).

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

Specifications subject to change without notice.

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LTR	REVISIONS	APP.	DATE	DRN.	DATE	<b>KEITHLEY</b> Keithley Instruments, Inc. Cleveland, Ohio 44139	
				<b>CKD.</b>	<b>DATE</b>		
				<b>APP.</b>	<b>DATE</b>		
						<b>SPECIFICATIONS</b>	
						<b>PART NUMBER</b>	