S41/RF1X72 Multiplexer

RF PARAMETERS:

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

SWITCH CONFIGURATION: One 1×72 or two 1×36 or fourteen 1×6 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.

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/RF1X72 1×72 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.