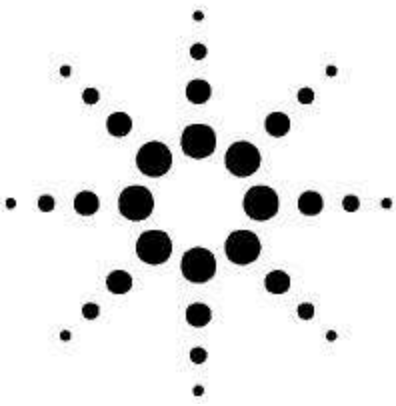


# Agilent 44473A 4x4 Two-Wire Matrix Switch

## Data Sheet



### Input Characteristics

Thermal Offset:  $<3\mu\text{V}$

Maximum Scan Rate: 43 chan/sec

Relay life (mechanical):  $10^8$

Maximum Voltage: 250V

Maximum Current:

Per channel: 2A, Per module: 8A

Maximum Power:

Per channel: 60W; 125VA, Per module: 240W;500VA

Initial Closed Channel Resistance:  $<1\text{ Ohm}$

### DC Isolation ( $<40^\circ\text{C}$ , $<60\%\text{RH}$ )

Open Channel:  $>10^{11}\text{ Ohm}$

HI-LO:  $>10^{10}\text{ Ohm}$

Channel-Chassis:  $>10^{10}\text{ Ohm}$

### AC Isolation

Capacitance (with 1 channel closed):

Open Channel, Channel-Channel:  $<5\text{pF}$

HI-LO:  $<40\text{pF}$

Channel-Chassis:  $<70\text{pF}$

*Note: All voltage and current are in DC or AC RMS if not specified*

	<u>100kHz</u>	<u>1MHz</u>	<u>10MHz</u>
Insertion loss	$<0.30\text{dB}$	$<0.35\text{dB}$	$<0.90\text{dB}$
Crosstalk(dB)	$<-76\text{dB}$	$<-56\text{dB}$	$<-36\text{dB}$

