



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)	$<-76\text{dB}$	$<-56\text{dB}$	$<-36\text{dB}$

