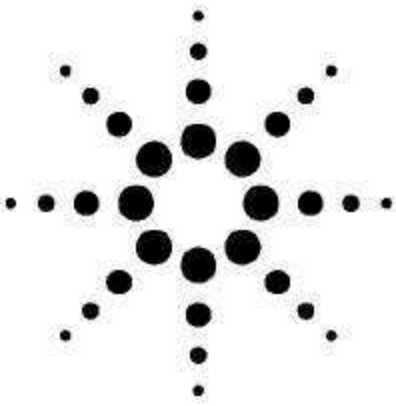


Agilent 44473A 4x4 Two-Wire Matrix Switch

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



