



# Agilent Technologies 44470D 20-Channel Multiplexer Module

Data Sheet

## General Specifications

Relays: Armature latching relay

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

Relay Life Mechanical:  $10^8$

Maximum Scan Rate:  $>43\text{ Chan./sec}$

## Input Characteristics

Maximum Current: 2A

Maximum Voltage: 250V

Maximum Power: 60W or 125VA

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

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

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

HI-LO:  $>5 \times 10^{10}\text{ Ohm}$

Channel-Chassis:  $>5 \times 10^{10}\text{ Ohm}$

## AC Isolation

Capacitance (with 1 channel closed):

Open Channel, Channel-Channel:  $<7\text{pF}$

HI-LO:  $<27\text{pF}$

Channel-Chassis:  $<80\text{pF}$

Insertion Loss (with 50 Ohm termination):

100kHz  $<0.20\text{dB}$

1MHz  $<0.25\text{dB}$

10MHz  $<1.20\text{ dB}$

Crosstalk (with 50 Ohm termination):

100kHz  $<-73\text{dB}$

1MHz  $<-53\text{dB}$

10MHz  $<-31\text{dB}$

## Module accessories

Agilent 44480B Screw terminal block for Agilent 44470D

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

