



# Agilent Technologies 44470A 10-Channel Multiplexer Module

Data Sheet

## General Specifications

Relays: Armature latching relay  
Thermal Offset: Thermal Offset: <3 uV /channel  
Relay Life (Mechanical):  $10^6$   
Maximum Scan Rate: >43 Chan./sec

## Input Characteristics

Maximum Current: 2A  
Maximum Voltage: 250V  
Maximum Power: 60W or 125VA  
Initial Closed Channel Resistance: <1 Ohm

## DC Isolation(<40°C, 60% RH)

Open Channel, Channel-Channel: > $10^{11}$  Ohm  
HI-LO: > $10^{10}$  Ohm  
Channel-Chassis: > $10^{10}$  Ohm

## AC Isolation

Capacitance (with 1 channel closed):  
Open Channel, Channel-Channel: <5pF  
HI-LO: <27pF  
Channel-Chassis: <80pF  
Insertion Loss (with 50 Ohm termination):  
100kHz <0.20dB  
1MHz <0.25dB  
10MHz <0.50dB  
Crosstalk (with 50 Ohm termination):  
100kHz <-73dB  
1MHz <-53dB  
10MHz <-33dB

## Module accessories

Agilent 44480A Screw terminal block for Agilent 44470A  
**\*\*Note: All voltage and current are in DC or AC RMS if not specified**

