



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**

