



**Agilent Technologies**  
**44471A 10-Channel General Purpose Relay 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 chan./sec

**Input Characteristics**

Maximum Current: 2A  
Maximum Voltage: 250V  
Maximum Power:  
Per channel: 60W or 125VA  
Per module: 600W or 1250 VA  
Initial Closed Channel Resistance:  $<1\ \text{Ohm}$

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

Open Channel, Channel-Channel:  $>10^{11}\ \text{Ohm}$   
Channel-Chassis:  $>5 \times 10^{11}\ \text{Ohm}$

**AC Isolation**

Capacitance (with 1 channel closed):  
Open Channel, Channel-Channel:  $<7\text{pF}$   
Channel-chassis:  $<7\text{pF}$   
Insertion Loss ( with 50 Ohm termination):  
100kHz:  $<0.20\text{dB}$   
1MHz:  $<0.25\text{dB}$   
10MHz:  $<0.50\text{dB}$   
Crosstalk (with 50 Ohm termination):  
100kHz:  $<-73\text{dB}$   
1MHz:  $<-53\text{dB}$   
10MHz:  $<-33\text{dB}$

**Module accessories**

Agilent 44481A Screw terminal block for Agilent 44471A  
**\*\*Note: All voltage and current are in DC or AC RMS if not specified**