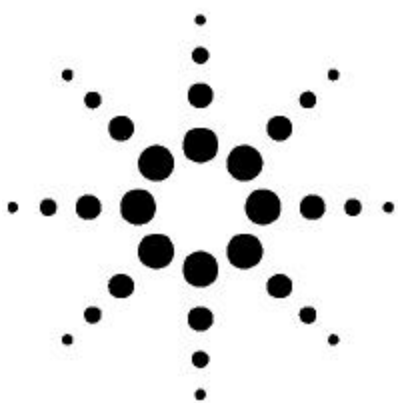




Agilent N2270A 10-Channel 1000 V Multiplexer

Data Sheet

General Specifications

Relays: Non-latching reed relay

Thermal Offset: $<200\mu\text{V}$

Relay Life: 10^8 @ 1V, 10mA

Maximum Scan Rate: 100 Chans./ sec

Input Characteristics

Maximum Current: 1A

Maximum Voltage: 1000V

Maximum Power: 10W

Initial Closed Channel Resistance: $<1\Omega$

DC Isolation

Open Channel, Channel-Channel:

$<(40^\circ\text{C}, 50\% \text{ RH}): >10^{10}\Omega$

Channel-Chassis:

$<(40^\circ\text{C}, 50\% \text{ RH}): >10^{10}\Omega$

AC Isolation

Capacitance (with 1 channel closed):

Open Channel, Channel-Channel

HI-LO: $<7\text{pF}$

Channel-Chassis: $<50\text{pF}$

Insertion Loss (with 50Ω termination):

100kHz: $<0.10\text{dB}$

1MHz: $<0.20\text{dB}$

Crosstalk (with 50Ω termination):

100kHz: $<-70\text{dB}$

1MHz: $<-50\text{dB}$

Module accessories

N2320A Crimp & insert connection kit for N2270A

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



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